

Pantheon Report

Generated at 2018-08-22 06:44:51 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

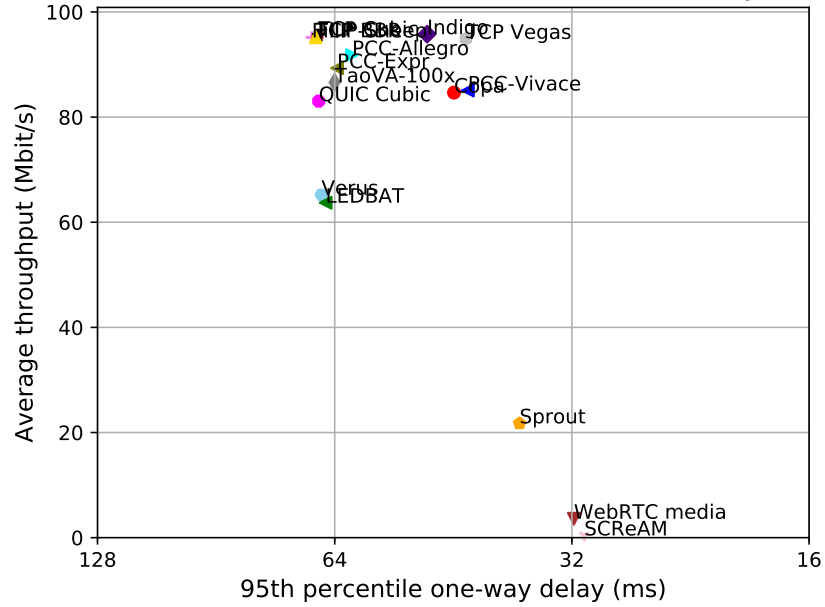
System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

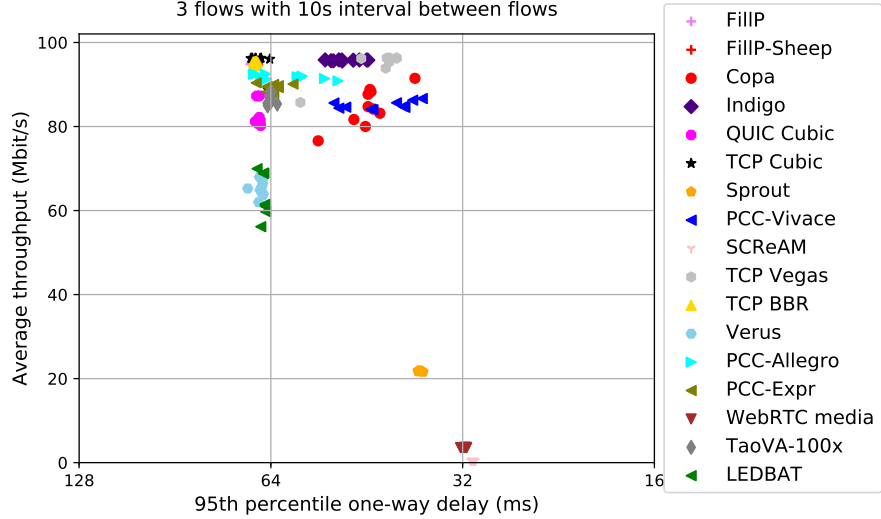
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
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-quic @ 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 AWS California 2 to Mexico, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 to Mexico, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



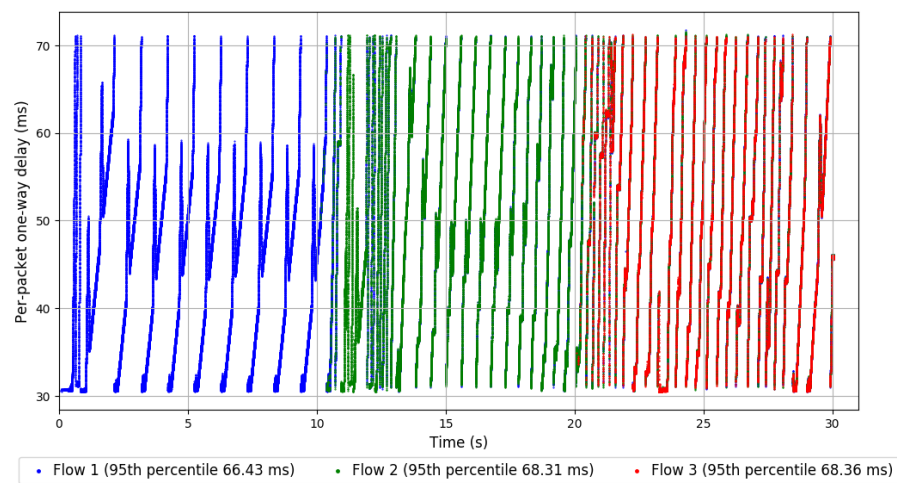
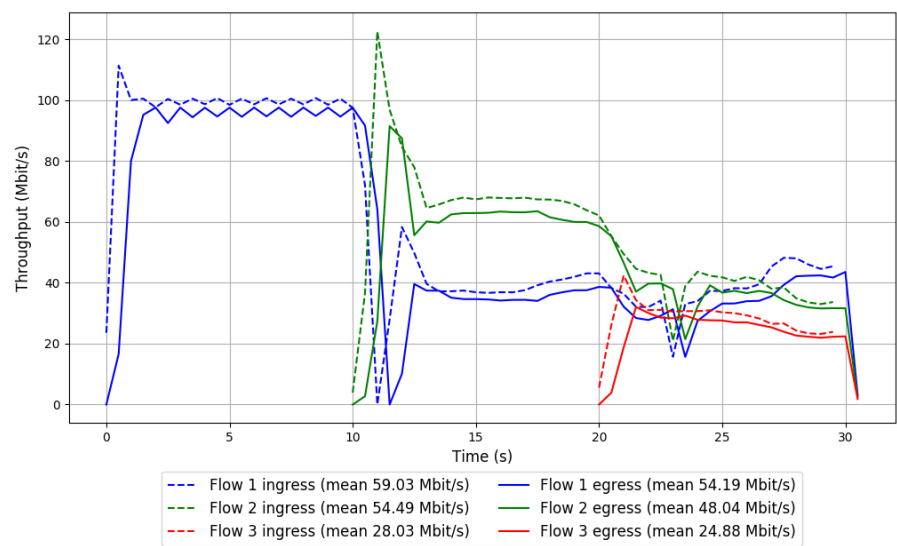
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	63.78	32.26	30.25	66.93	68.43	68.54	7.53	10.29	11.93
Copa	10	54.66	34.71	20.72	46.87	40.45	39.77	0.88	0.17	0.09
TCP Cubic	10	67.47	30.16	23.95	67.16	67.02	65.63	0.75	0.64	0.64
FillP	10	61.46	33.80	33.89	67.93	68.93	69.43	22.94	34.78	41.13
FillP-Sheep	10	57.74	39.33	34.17	65.85	68.34	68.47	13.48	24.60	32.98
Indigo	10	63.14	33.62	31.70	45.52	51.15	52.26	0.03	0.08	0.00
LEDBAT	10	39.32	28.22	16.95	65.34	66.62	57.99	0.22	0.25	0.24
PCC-Allegro	10	81.26	11.18	9.38	60.45	62.89	60.05	4.25	5.41	6.19
PCC-Expr	10	68.29	25.31	12.67	62.66	64.88	64.16	1.94	2.01	1.76
QUIC Cubic	10	62.14	24.20	14.73	66.81	67.30	66.51	2.51	1.05	1.10
SCReAM	10	0.21	0.21	0.22	30.83	30.86	30.86	0.00	0.00	0.00
Sprout	10	11.03	10.86	10.59	37.21	37.36	37.32	0.00	0.01	0.01
TaoVA-100x	10	51.26	38.80	28.72	61.53	65.20	66.55	13.24	23.09	19.51
TCP Vegas	10	74.28	21.29	19.39	43.85	42.06	38.89	0.26	0.00	0.01
Verus	10	40.58	27.39	23.08	66.30	68.27	65.79	29.53	32.12	28.24
PCC-Vivace	10	64.06	24.24	14.78	43.39	43.57	41.51	0.05	0.05	0.05
WebRTC media	10	1.93	1.24	0.44	31.56	31.92	32.58	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 02:32:14
End at: 2018-08-22 02:32:44
Local clock offset: 0.002 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2018-08-22 06:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 67.543 ms
Loss rate: 9.71%
-- Flow 1:
Average throughput: 54.19 Mbit/s
95th percentile per-packet one-way delay: 66.427 ms
Loss rate: 8.17%
-- Flow 2:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 68.310 ms
Loss rate: 11.85%
-- Flow 3:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 68.362 ms
Loss rate: 11.15%

Run 1: Report of TCP BBR — Data Link

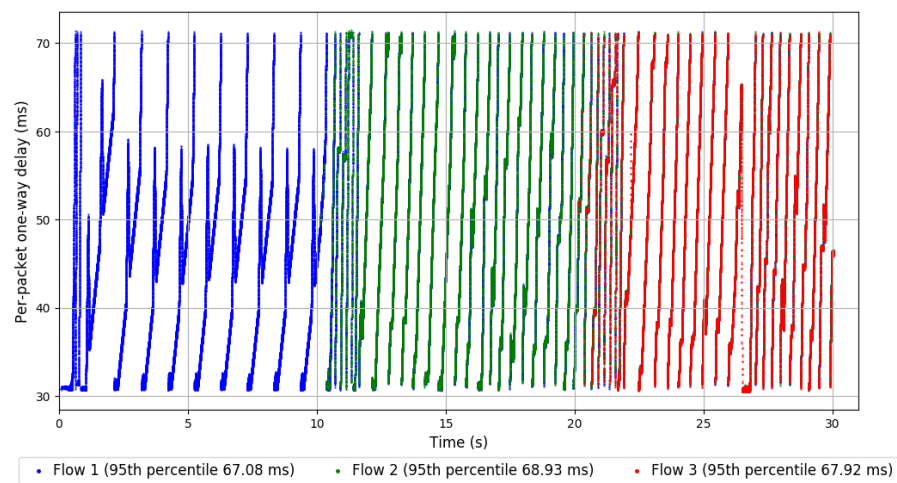
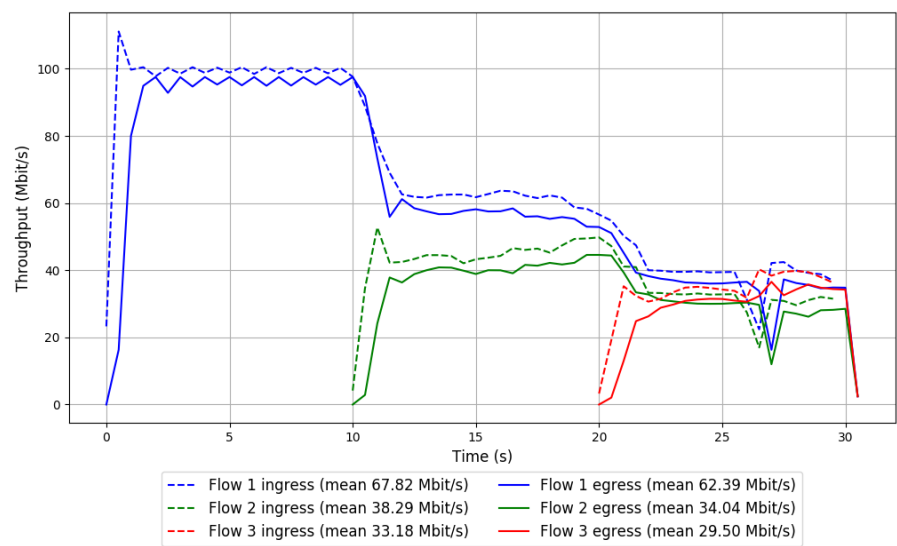


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 02:55:12
End at: 2018-08-22 02:55:42
Local clock offset: 0.011 ms
Remote clock offset: -1.109 ms

Below is generated by plot.py at 2018-08-22 06:20:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 67.774 ms
Loss rate: 9.05%
-- Flow 1:
Average throughput: 62.39 Mbit/s
95th percentile per-packet one-way delay: 67.078 ms
Loss rate: 7.95%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 68.933 ms
Loss rate: 11.09%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 67.925 ms
Loss rate: 11.05%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-22 03:18:26

End at: 2018-08-22 03:18:56

Local clock offset: 0.247 ms

Remote clock offset: 1.305 ms

Below is generated by plot.py at 2018-08-22 06:21:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 67.888 ms

Loss rate: 8.93%

-- Flow 1:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 67.231 ms

Loss rate: 7.75%

-- Flow 2:

Average throughput: 29.71 Mbit/s

95th percentile per-packet one-way delay: 68.573 ms

Loss rate: 10.48%

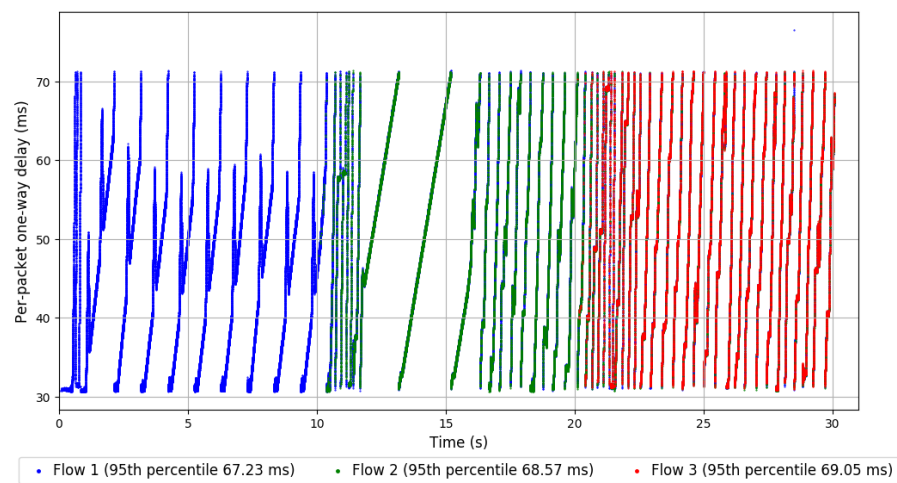
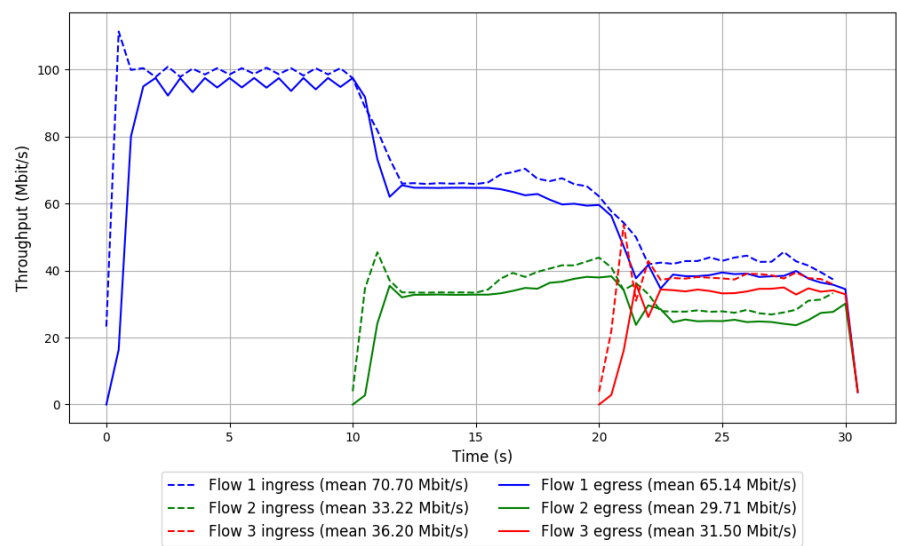
-- Flow 3:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 69.045 ms

Loss rate: 13.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-22 03:41:32

End at: 2018-08-22 03:42:02

Local clock offset: 1.035 ms

Remote clock offset: 1.699 ms

Below is generated by plot.py at 2018-08-22 06:21:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 67.108 ms

Loss rate: 7.54%

-- Flow 1:

Average throughput: 63.83 Mbit/s

95th percentile per-packet one-way delay: 65.971 ms

Loss rate: 6.44%

-- Flow 2:

Average throughput: 26.47 Mbit/s

95th percentile per-packet one-way delay: 67.579 ms

Loss rate: 8.23%

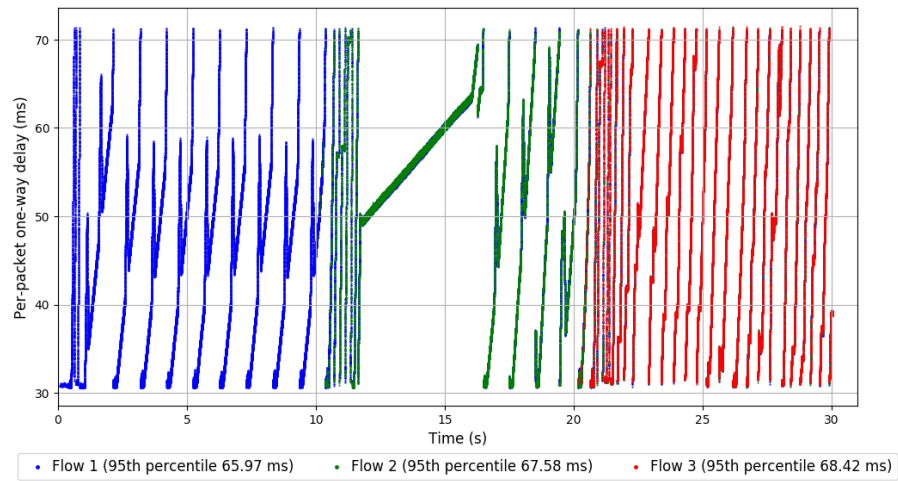
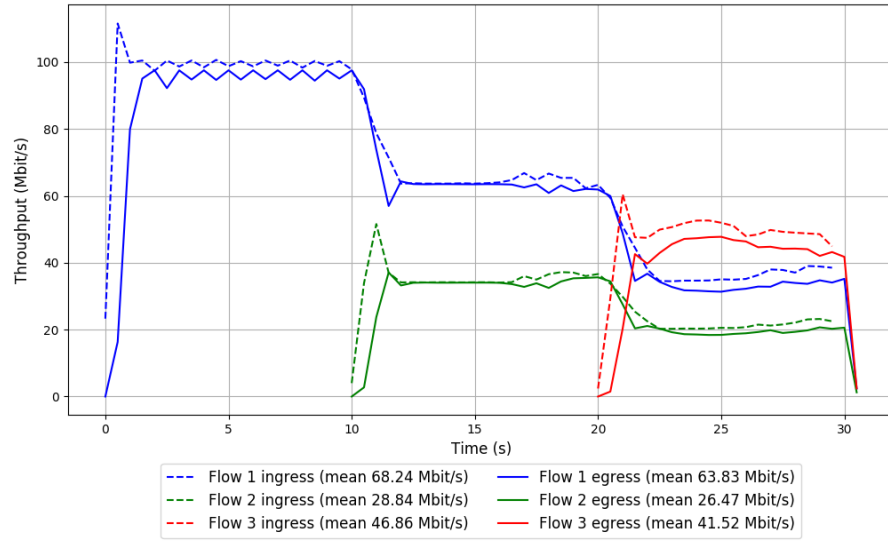
-- Flow 3:

Average throughput: 41.52 Mbit/s

95th percentile per-packet one-way delay: 68.425 ms

Loss rate: 11.52%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-22 04:04:34

End at: 2018-08-22 04:05:04

Local clock offset: 1.445 ms

Remote clock offset: 1.979 ms

Below is generated by plot.py at 2018-08-22 06:21:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 67.558 ms

Loss rate: 7.74%

-- Flow 1:

Average throughput: 67.29 Mbit/s

95th percentile per-packet one-way delay: 67.140 ms

Loss rate: 6.88%

-- Flow 2:

Average throughput: 34.05 Mbit/s

95th percentile per-packet one-way delay: 68.356 ms

Loss rate: 9.19%

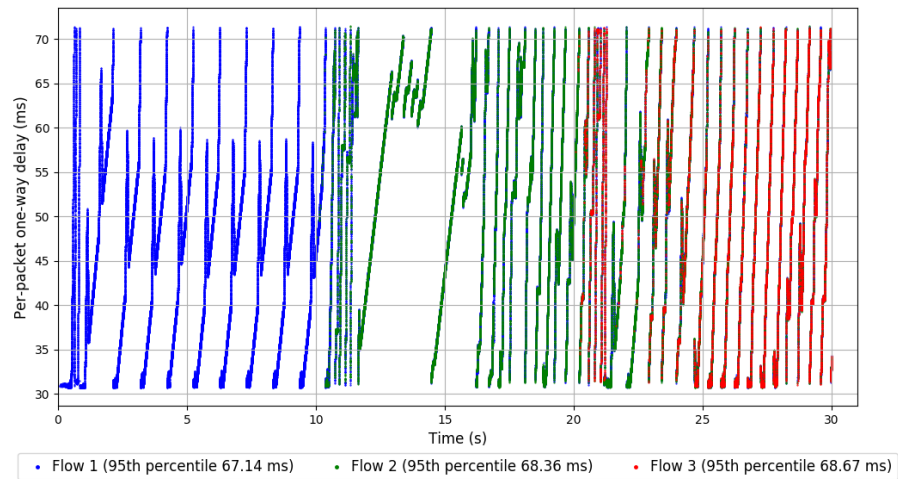
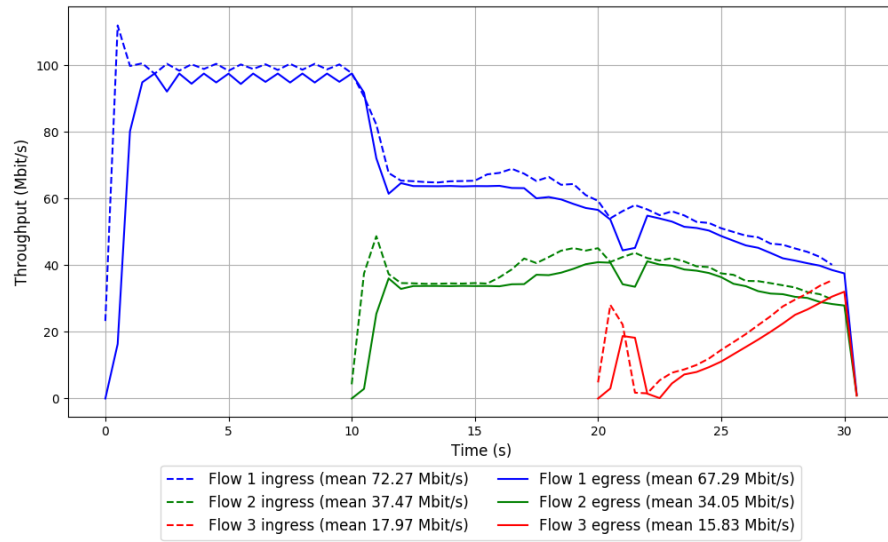
-- Flow 3:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 68.669 ms

Loss rate: 12.11%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-22 04:27:27

End at: 2018-08-22 04:27:57

Local clock offset: 0.137 ms

Remote clock offset: 2.097 ms

Below is generated by plot.py at 2018-08-22 06:21:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 68.182 ms

Loss rate: 10.36%

-- Flow 1:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 67.540 ms

Loss rate: 8.86%

-- Flow 2:

Average throughput: 36.71 Mbit/s

95th percentile per-packet one-way delay: 68.883 ms

Loss rate: 12.56%

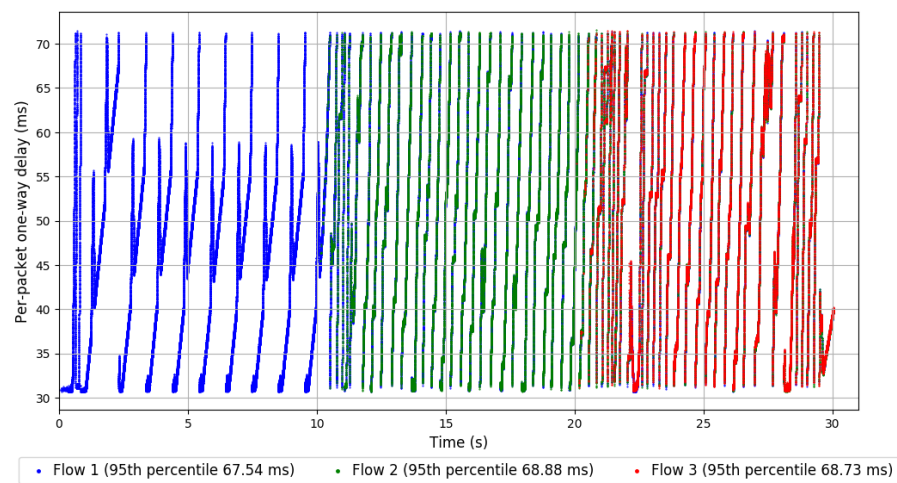
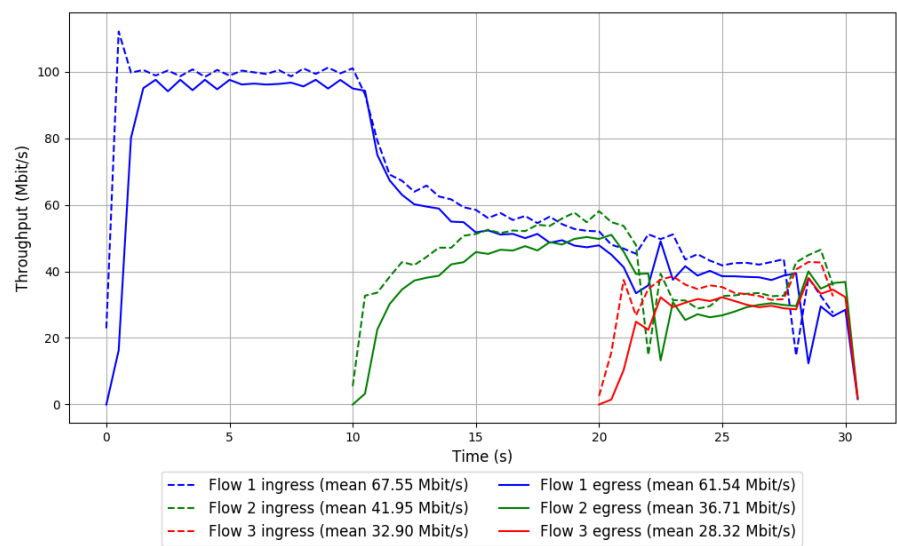
-- Flow 3:

Average throughput: 28.32 Mbit/s

95th percentile per-packet one-way delay: 68.733 ms

Loss rate: 14.06%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-22 04:50:40

End at: 2018-08-22 04:51:10

Local clock offset: 0.187 ms

Remote clock offset: 2.258 ms

Below is generated by plot.py at 2018-08-22 06:21:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 67.756 ms

Loss rate: 9.06%

-- Flow 1:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 66.972 ms

Loss rate: 7.71%

-- Flow 2:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 68.420 ms

Loss rate: 10.86%

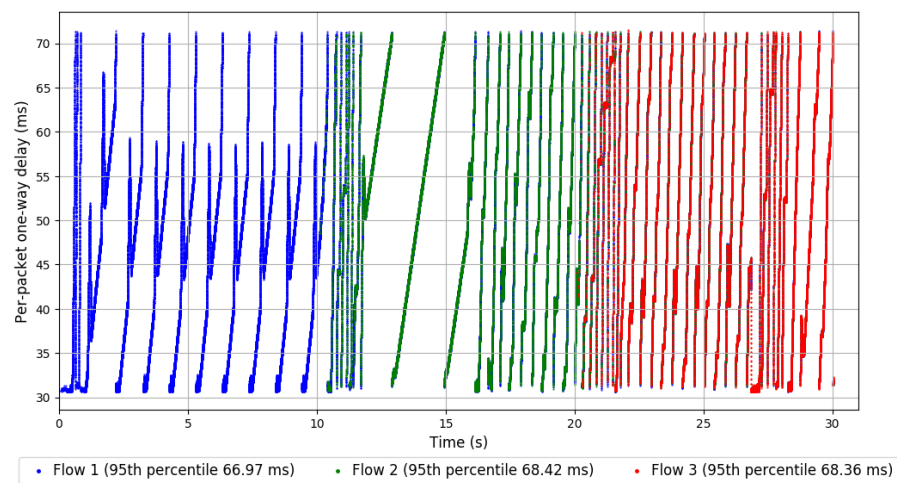
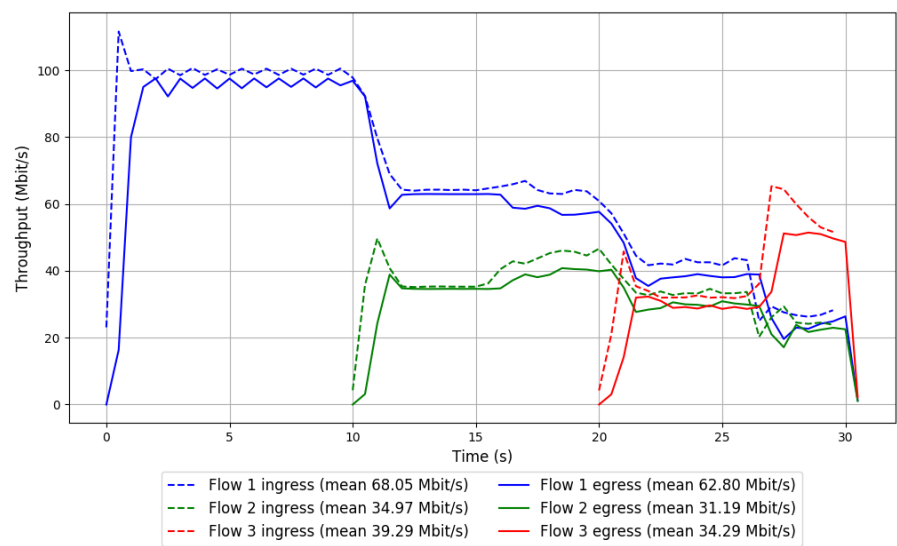
-- Flow 3:

Average throughput: 34.29 Mbit/s

95th percentile per-packet one-way delay: 68.365 ms

Loss rate: 12.85%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-22 05:13:44

End at: 2018-08-22 05:14:14

Local clock offset: 0.321 ms

Remote clock offset: 1.734 ms

Below is generated by plot.py at 2018-08-22 06:21:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 67.440 ms

Loss rate: 8.55%

-- Flow 1:

Average throughput: 68.00 Mbit/s

95th percentile per-packet one-way delay: 66.738 ms

Loss rate: 7.63%

-- Flow 2:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 68.308 ms

Loss rate: 10.07%

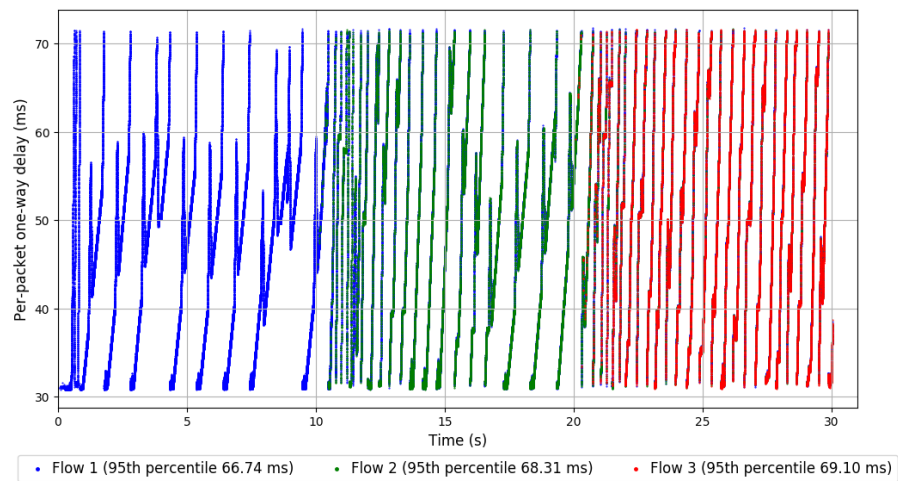
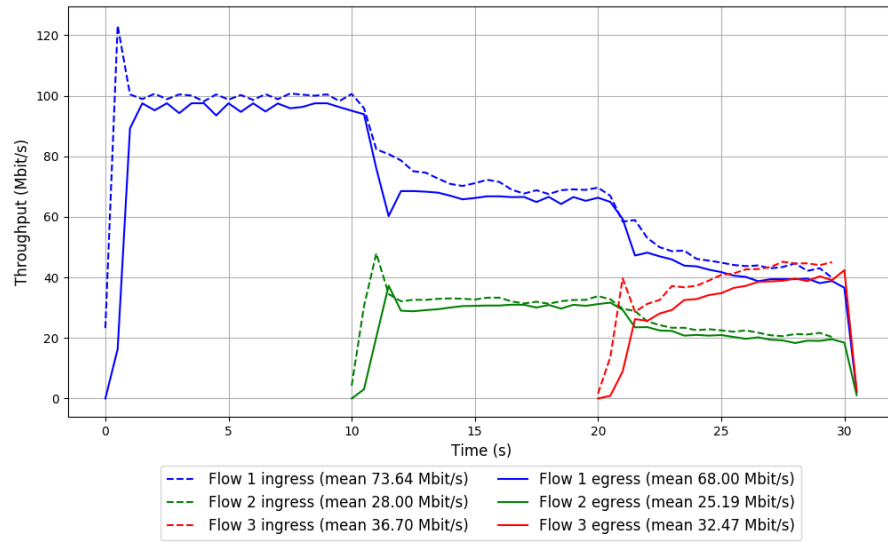
-- Flow 3:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 69.104 ms

Loss rate: 11.73%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-22 05:36:41

End at: 2018-08-22 05:37:11

Local clock offset: 0.492 ms

Remote clock offset: -2.11 ms

Below is generated by plot.py at 2018-08-22 06:21:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 67.563 ms

Loss rate: 8.28%

-- Flow 1:

Average throughput: 66.67 Mbit/s

95th percentile per-packet one-way delay: 67.016 ms

Loss rate: 7.13%

-- Flow 2:

Average throughput: 27.81 Mbit/s

95th percentile per-packet one-way delay: 68.427 ms

Loss rate: 9.93%

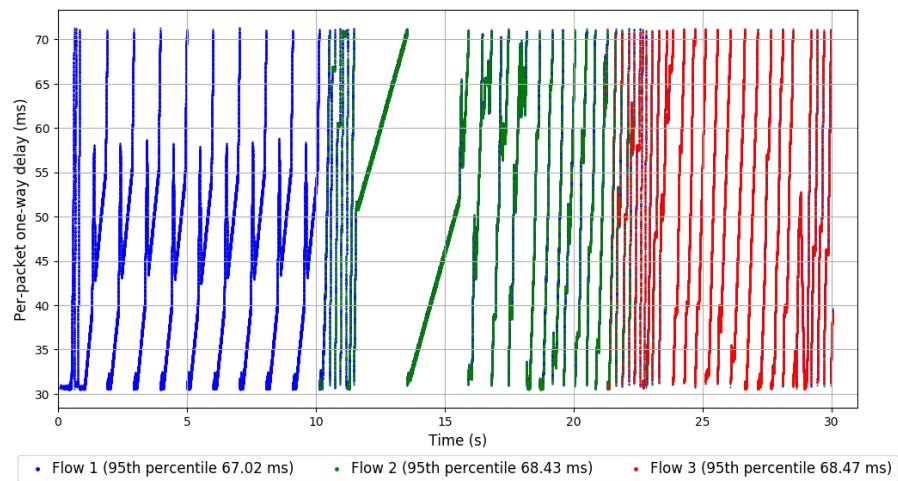
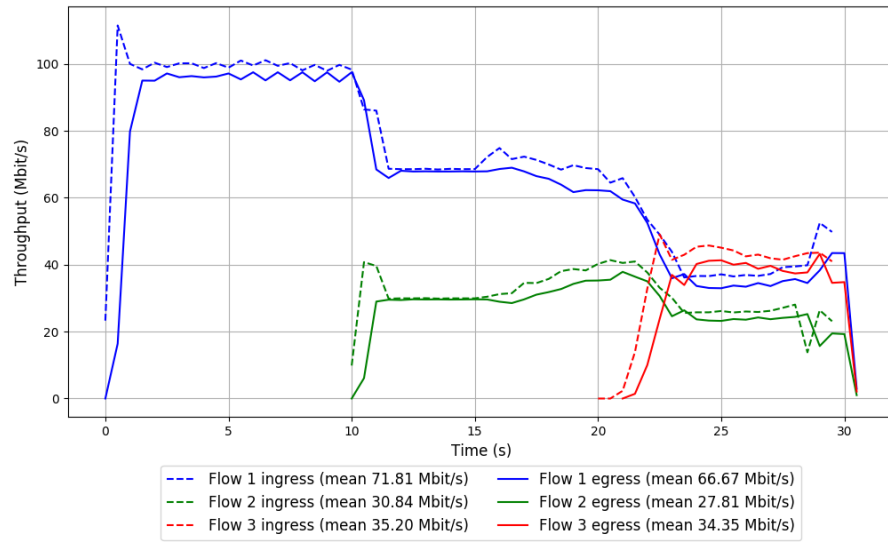
-- Flow 3:

Average throughput: 34.35 Mbit/s

95th percentile per-packet one-way delay: 68.468 ms

Loss rate: 12.37%

Run 9: Report of TCP BBR — Data Link

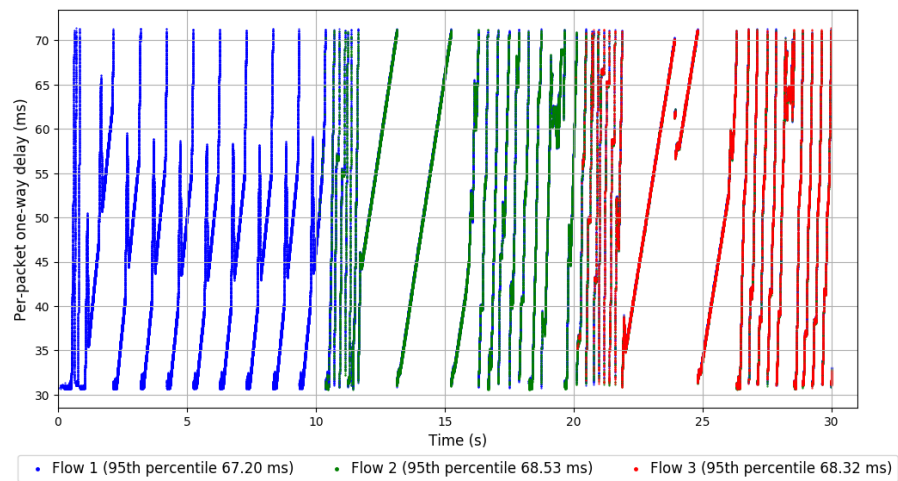
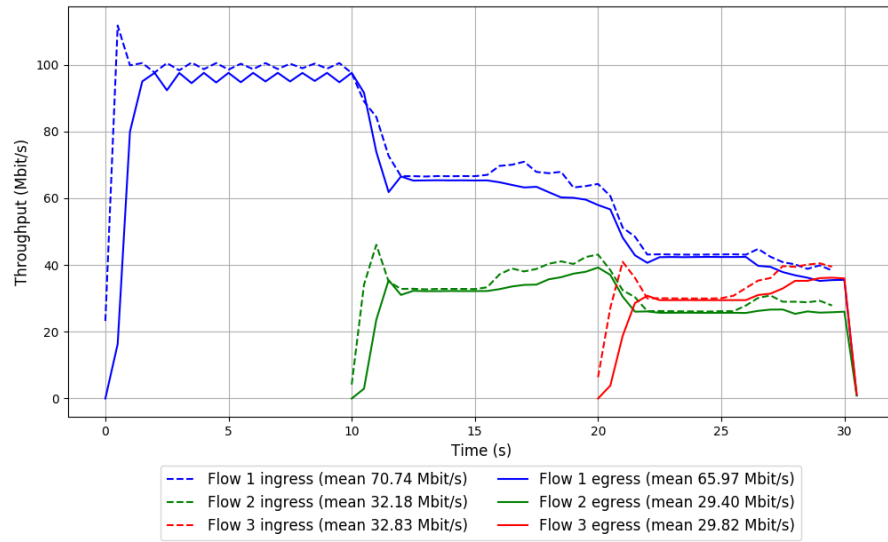


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 05:59:31
End at: 2018-08-22 06:00:01
Local clock offset: 0.12 ms
Remote clock offset: -1.263 ms

Below is generated by plot.py at 2018-08-22 06:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 67.749 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 67.200 ms
Loss rate: 6.74%
-- Flow 2:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 68.534 ms
Loss rate: 8.69%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 68.321 ms
Loss rate: 9.45%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-22 02:48:21

End at: 2018-08-22 02:48:51

Local clock offset: 0.122 ms

Remote clock offset: -1.09 ms

Below is generated by plot.py at 2018-08-22 06:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 45.037 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 46.519 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 38.150 ms

Loss rate: 0.00%

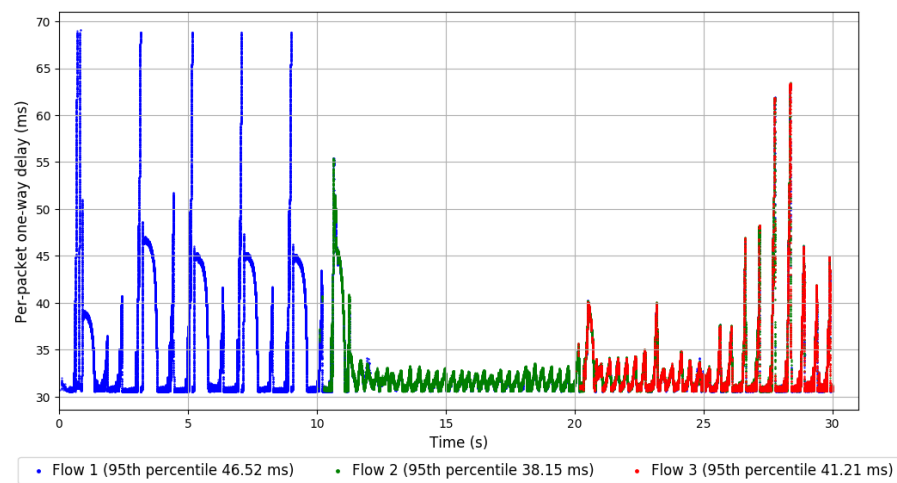
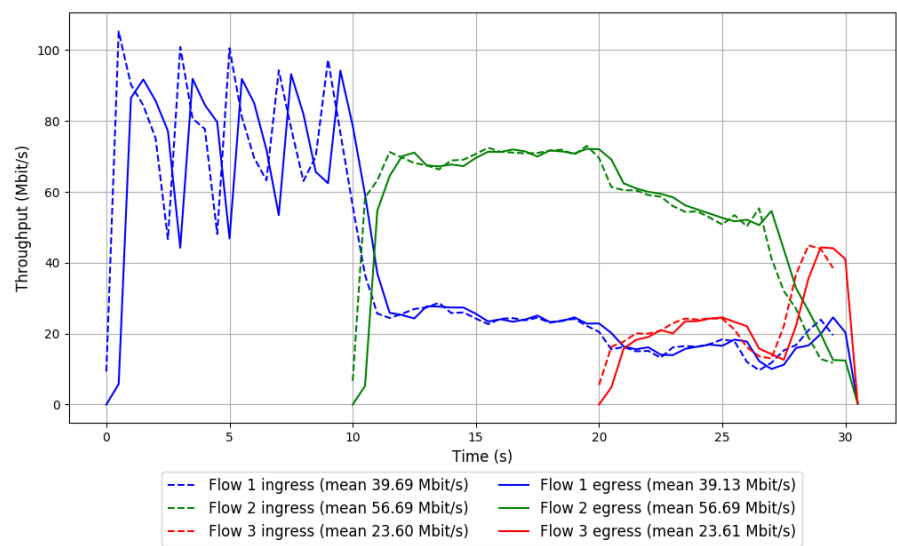
-- Flow 3:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 41.213 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-22 03:11:21

End at: 2018-08-22 03:11:51

Local clock offset: 0.163 ms

Remote clock offset: 0.685 ms

Below is generated by plot.py at 2018-08-22 06:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.67 Mbit/s

95th percentile per-packet one-way delay: 47.408 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 48.746 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 44.453 ms

Loss rate: 0.00%

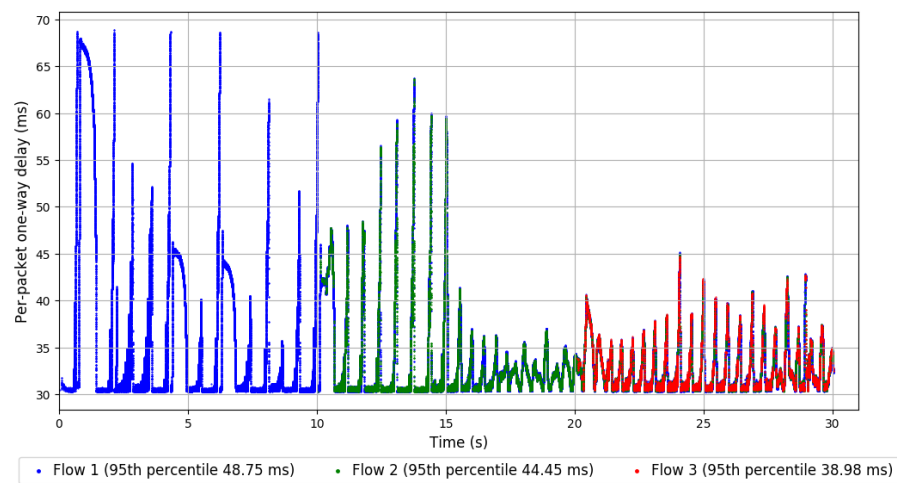
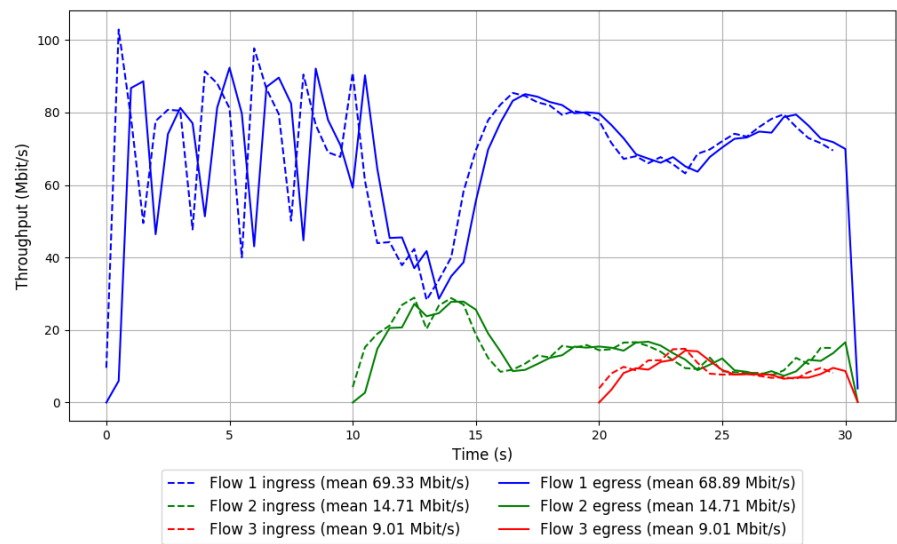
-- Flow 3:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 38.983 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-22 03:34:41

End at: 2018-08-22 03:35:11

Local clock offset: 0.849 ms

Remote clock offset: 1.444 ms

Below is generated by plot.py at 2018-08-22 06:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 44.209 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 49.14 Mbit/s

95th percentile per-packet one-way delay: 45.654 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 43.26 Mbit/s

95th percentile per-packet one-way delay: 39.489 ms

Loss rate: 0.13%

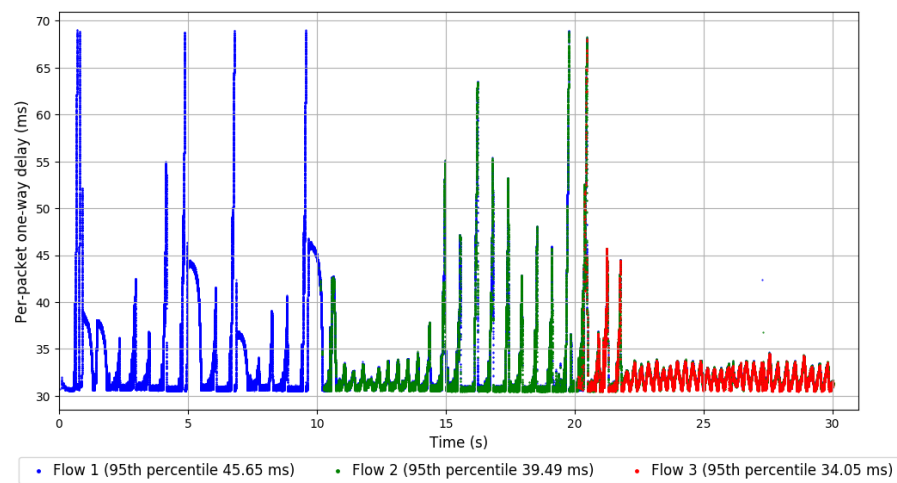
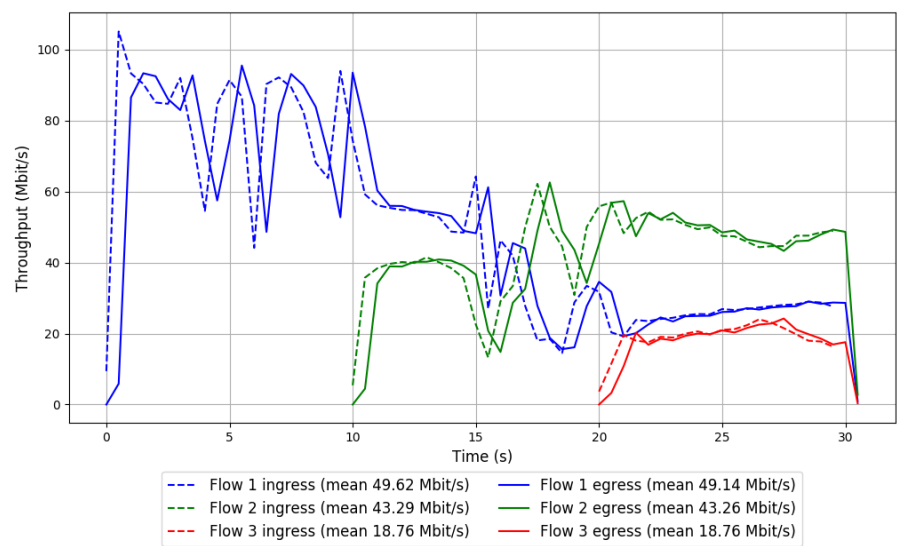
-- Flow 3:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 34.052 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-22 03:57:45

End at: 2018-08-22 03:58:15

Local clock offset: 1.343 ms

Remote clock offset: 1.91 ms

Below is generated by plot.py at 2018-08-22 06:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 53.942 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 56.576 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 30.13 Mbit/s

95th percentile per-packet one-way delay: 49.941 ms

Loss rate: 0.55%

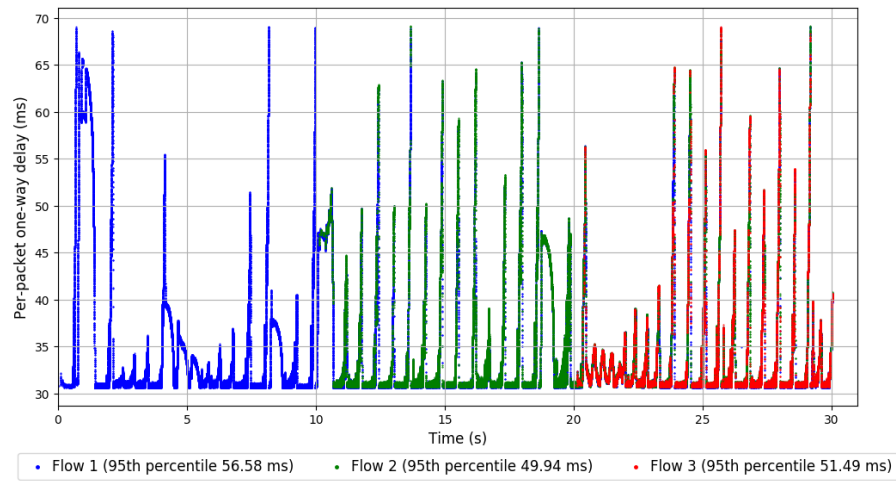
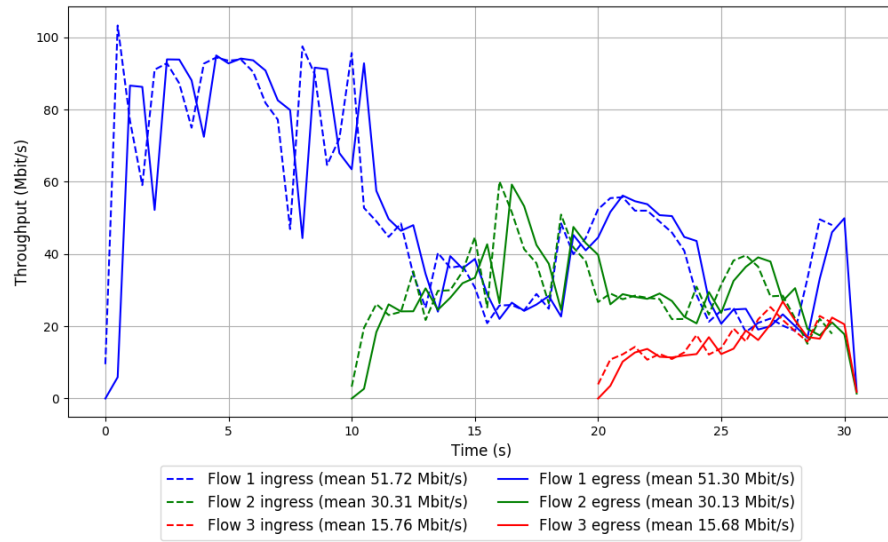
-- Flow 3:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 51.492 ms

Loss rate: 0.41%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-22 04:20:38

End at: 2018-08-22 04:21:08

Local clock offset: 0.405 ms

Remote clock offset: 1.9 ms

Below is generated by plot.py at 2018-08-22 06:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.01 Mbit/s

95th percentile per-packet one-way delay: 45.472 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 46.889 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 39.25 Mbit/s

95th percentile per-packet one-way delay: 43.779 ms

Loss rate: 0.38%

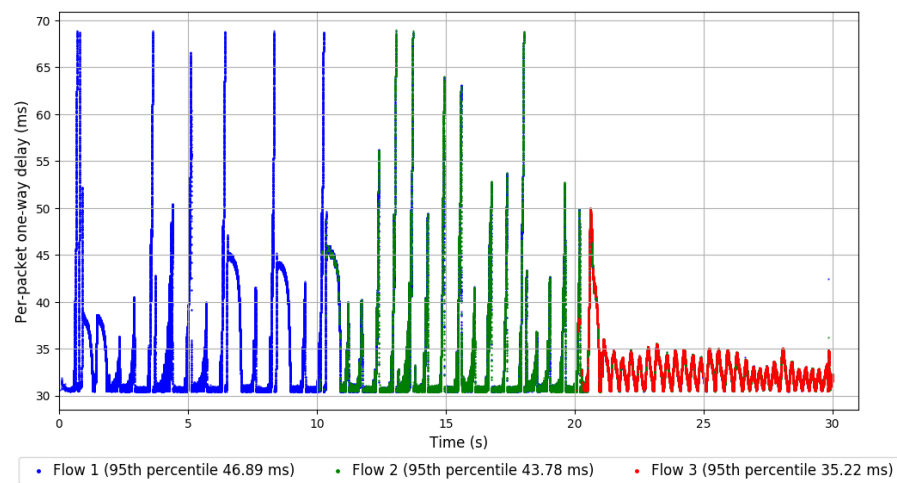
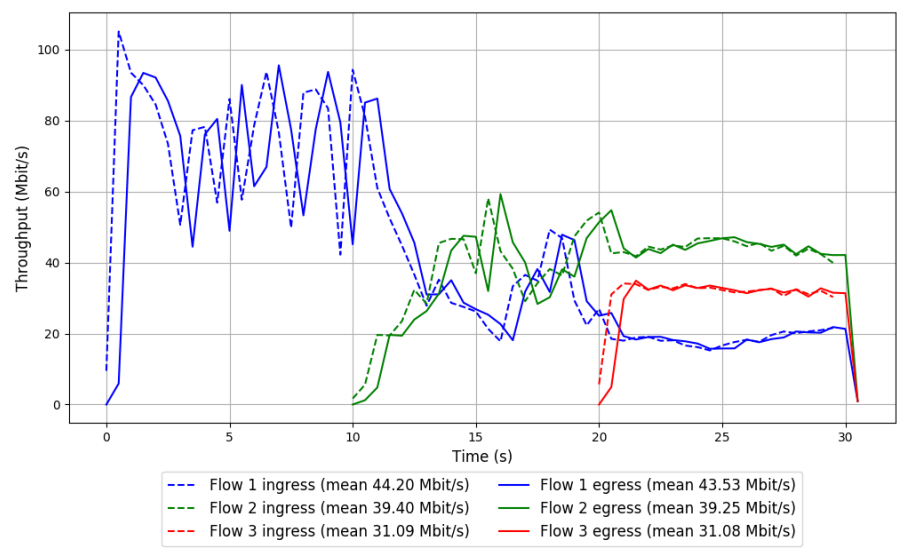
-- Flow 3:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 35.215 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-22 04:43:51

End at: 2018-08-22 04:44:21

Local clock offset: 0.085 ms

Remote clock offset: 2.032 ms

Below is generated by plot.py at 2018-08-22 06:22:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 45.048 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 46.316 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 34.743 ms

Loss rate: 0.00%

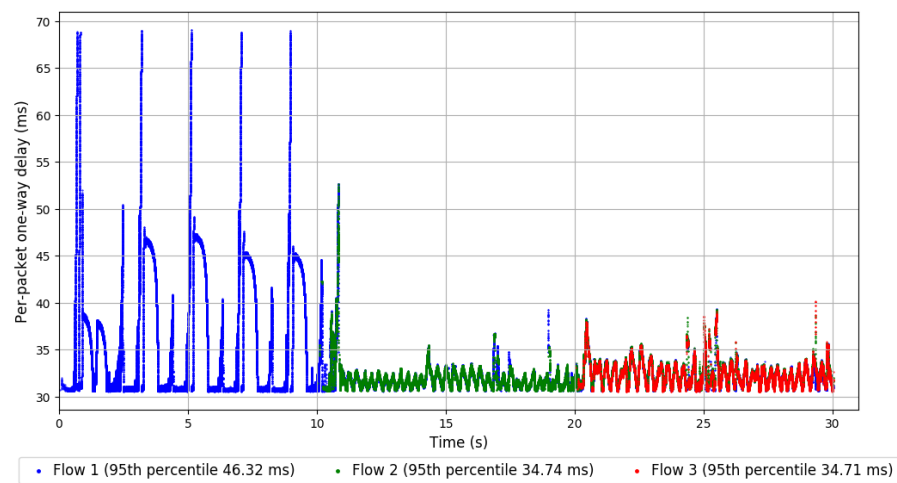
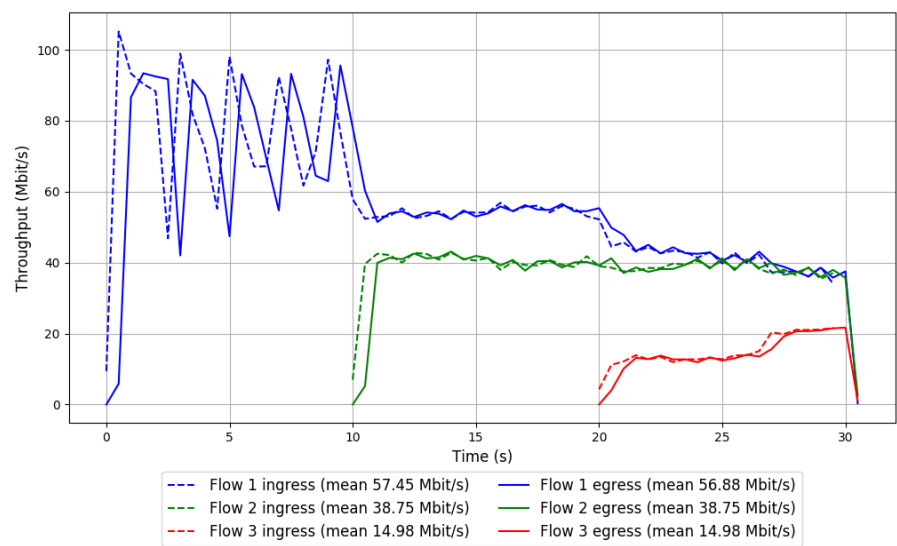
-- Flow 3:

Average throughput: 14.98 Mbit/s

95th percentile per-packet one-way delay: 34.711 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-22 05:06:43

End at: 2018-08-22 05:07:13

Local clock offset: 0.174 ms

Remote clock offset: 2.172 ms

Below is generated by plot.py at 2018-08-22 06:24:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.82 Mbit/s

95th percentile per-packet one-way delay: 44.737 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 52.541 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 68.98 Mbit/s

95th percentile per-packet one-way delay: 36.139 ms

Loss rate: 0.05%

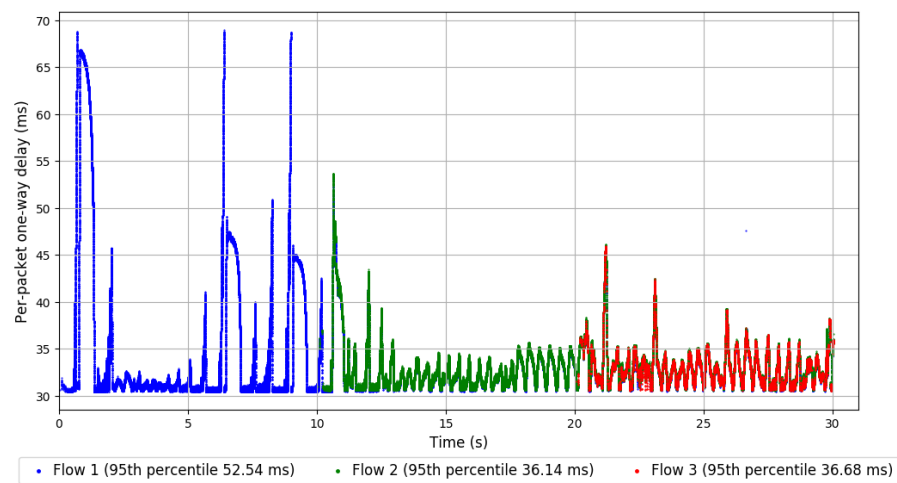
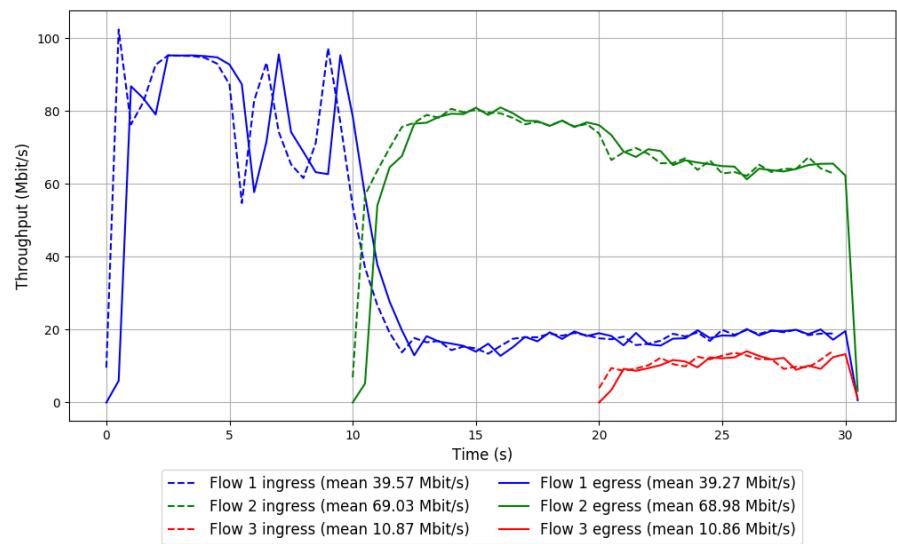
-- Flow 3:

Average throughput: 10.86 Mbit/s

95th percentile per-packet one-way delay: 36.677 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link

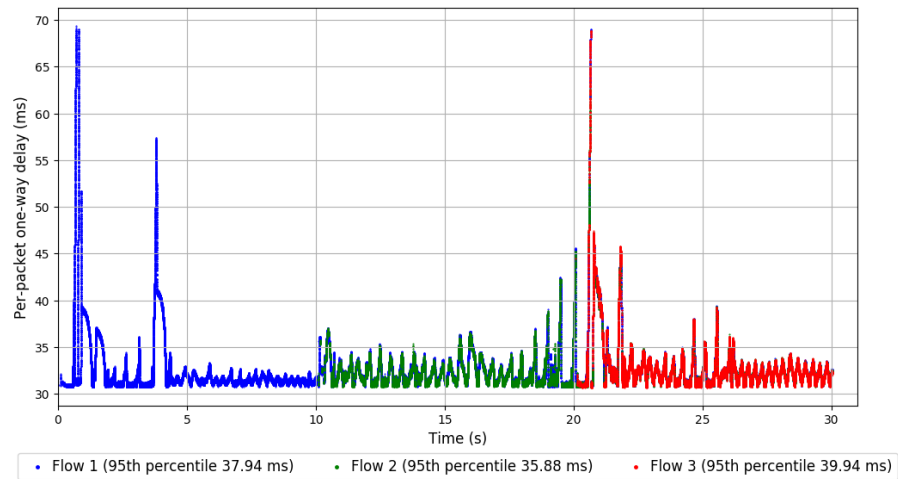
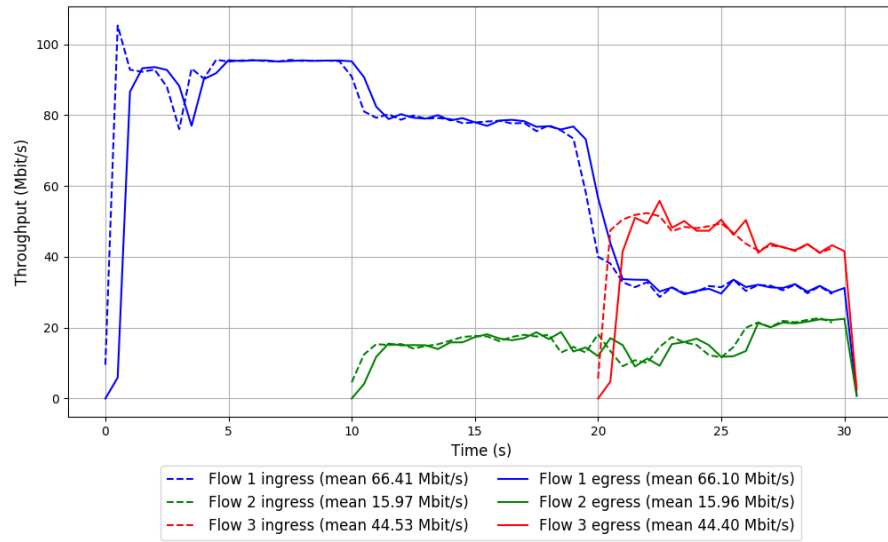


Run 8: Statistics of Copa

Start at: 2018-08-22 05:29:49
End at: 2018-08-22 05:30:19
Local clock offset: 0.47 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-08-22 06:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 38.020 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 37.942 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 35.880 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 39.943 ms
Loss rate: 0.42%

Run 8: Report of Copa — Data Link

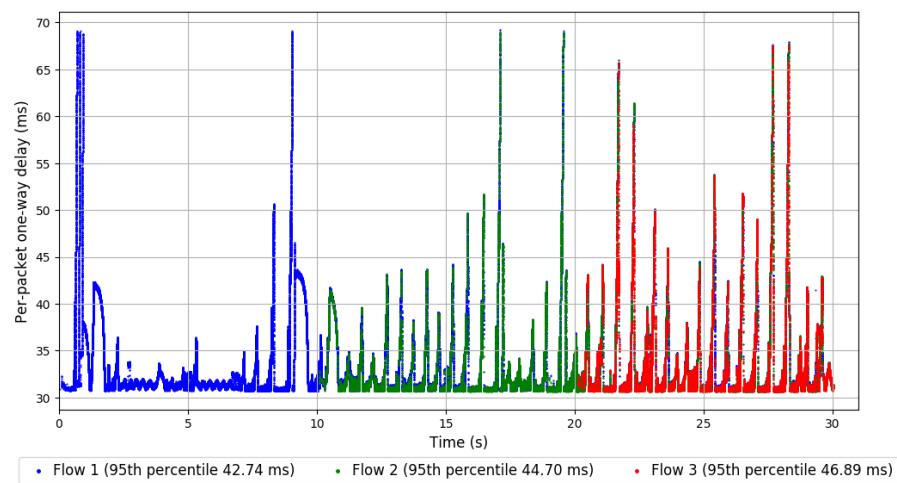
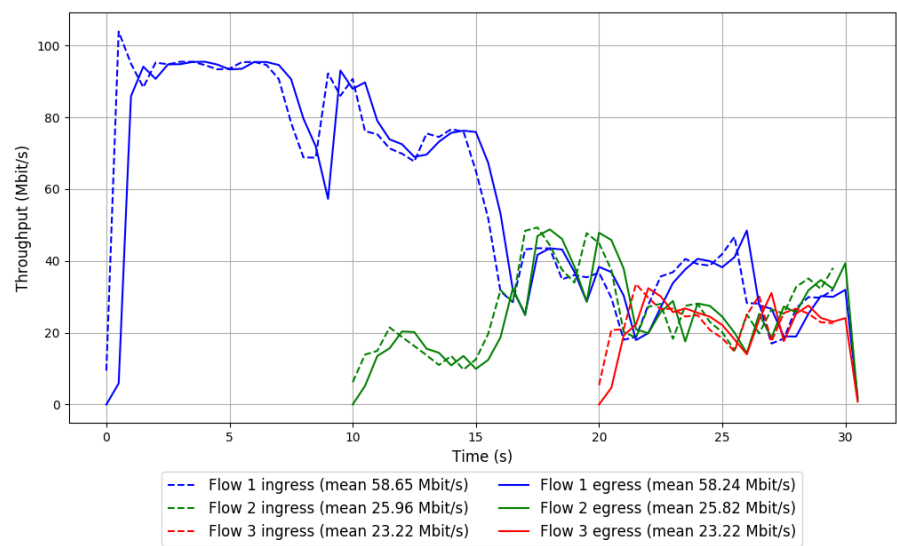


Run 9: Statistics of Copa

Start at: 2018-08-22 05:52:42
End at: 2018-08-22 05:53:12
Local clock offset: 0.09 ms
Remote clock offset: -1.647 ms

Below is generated by plot.py at 2018-08-22 06:24:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 43.158 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 42.743 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 44.701 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 46.894 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

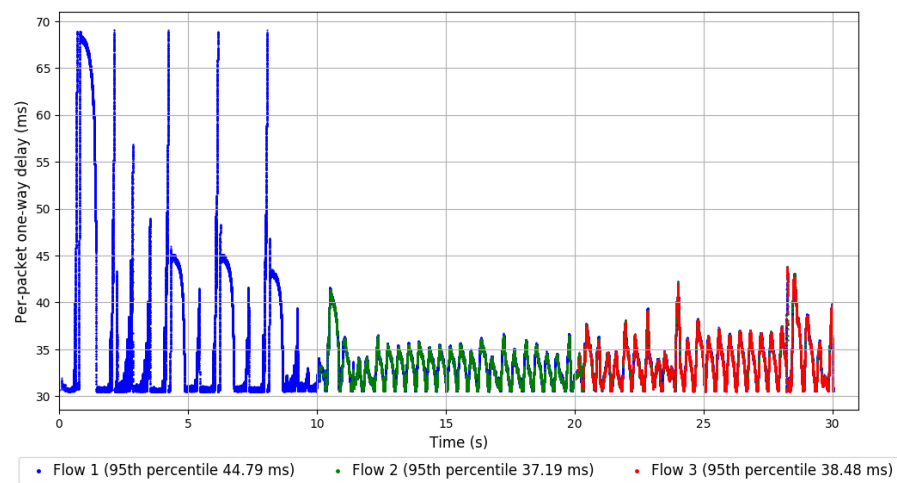
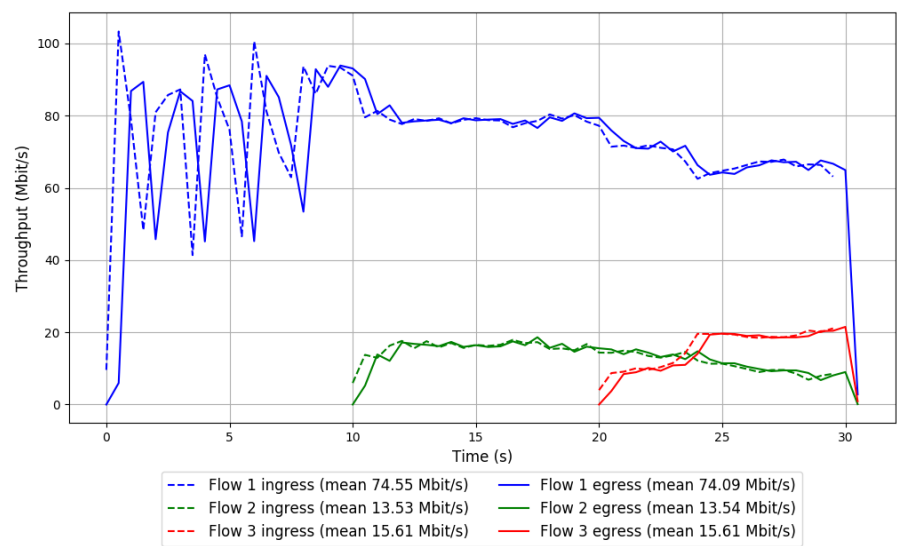


Run 10: Statistics of Copa

Start at: 2018-08-22 06:15:36
End at: 2018-08-22 06:16:06
Local clock offset: 0.16 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-08-22 06:24:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 44.568 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 74.09 Mbit/s
95th percentile per-packet one-way delay: 44.792 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 37.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 38.476 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 02:44:21

End at: 2018-08-22 02:44:51

Local clock offset: 0.029 ms

Remote clock offset: -1.0 ms

Below is generated by plot.py at 2018-08-22 06:24:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 68.803 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 68.849 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 25.04 Mbit/s

95th percentile per-packet one-way delay: 68.811 ms

Loss rate: 0.84%

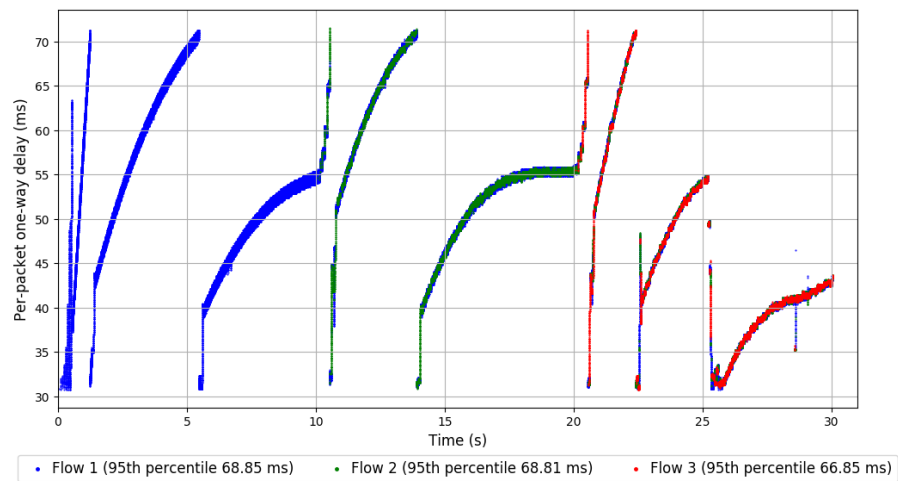
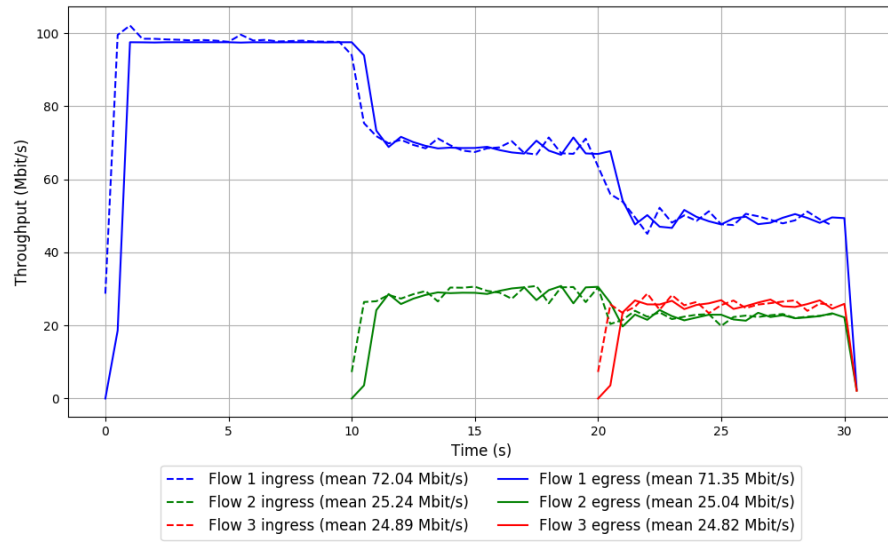
-- Flow 3:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 66.850 ms

Loss rate: 0.42%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 03:07:20

End at: 2018-08-22 03:07:50

Local clock offset: 0.081 ms

Remote clock offset: 0.791 ms

Below is generated by plot.py at 2018-08-22 06:24:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 64.614 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 50.56 Mbit/s

95th percentile per-packet one-way delay: 63.884 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 66.330 ms

Loss rate: 1.02%

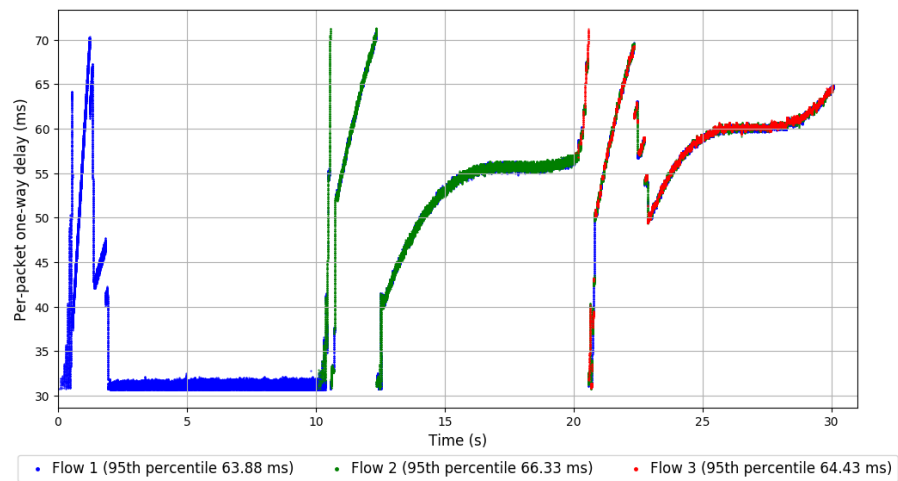
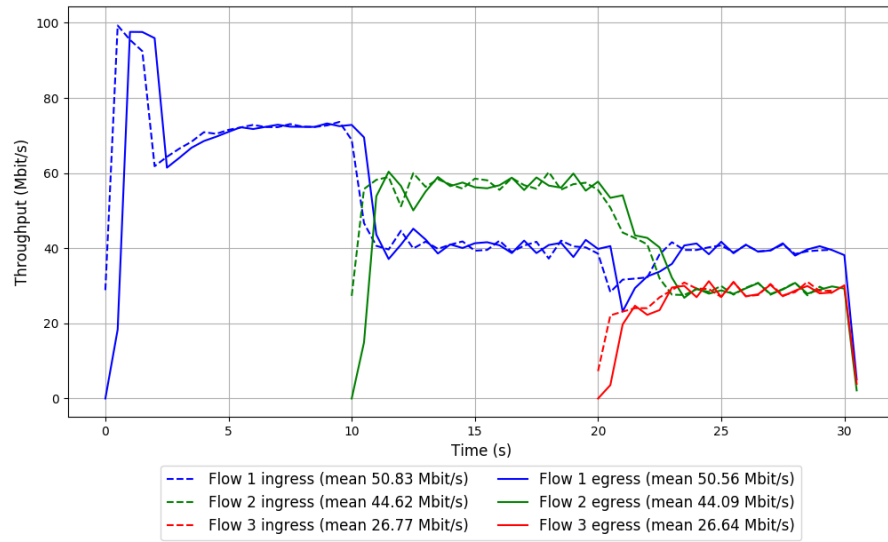
-- Flow 3:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 64.427 ms

Loss rate: 0.41%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 03:30:40

End at: 2018-08-22 03:31:10

Local clock offset: 0.635 ms

Remote clock offset: 1.625 ms

Below is generated by plot.py at 2018-08-22 06:24:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 67.612 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 67.874 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 30.74 Mbit/s

95th percentile per-packet one-way delay: 66.555 ms

Loss rate: 0.28%

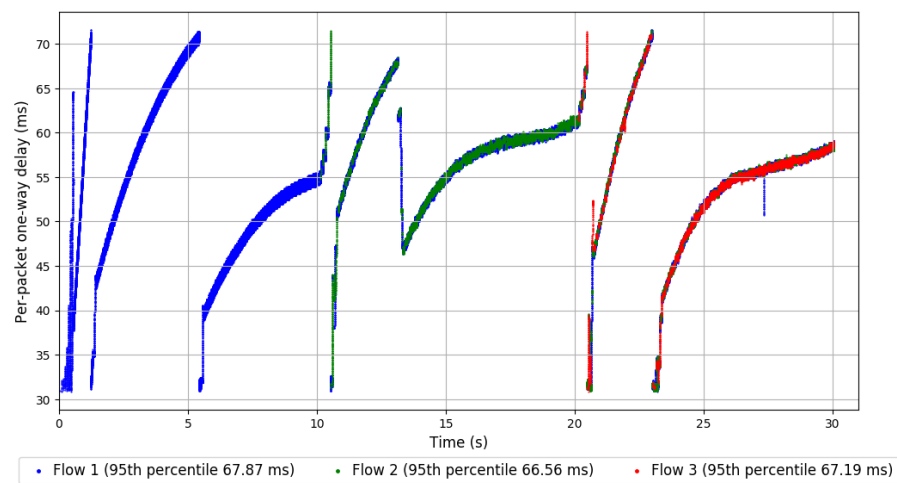
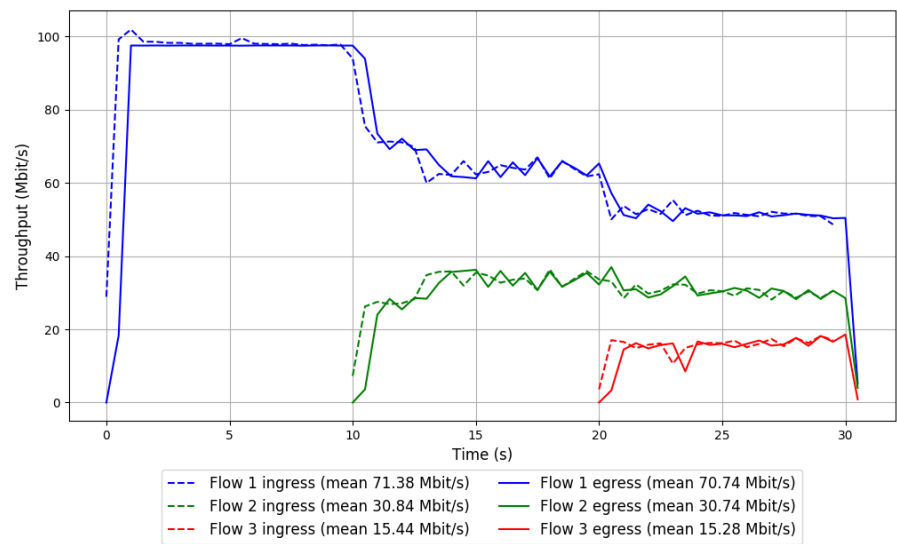
-- Flow 3:

Average throughput: 15.28 Mbit/s

95th percentile per-packet one-way delay: 67.191 ms

Loss rate: 1.09%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 03:53:43

End at: 2018-08-22 03:54:14

Local clock offset: 1.276 ms

Remote clock offset: 1.913 ms

Below is generated by plot.py at 2018-08-22 06:24:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 66.557 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 65.603 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 43.19 Mbit/s

95th percentile per-packet one-way delay: 68.096 ms

Loss rate: 0.56%

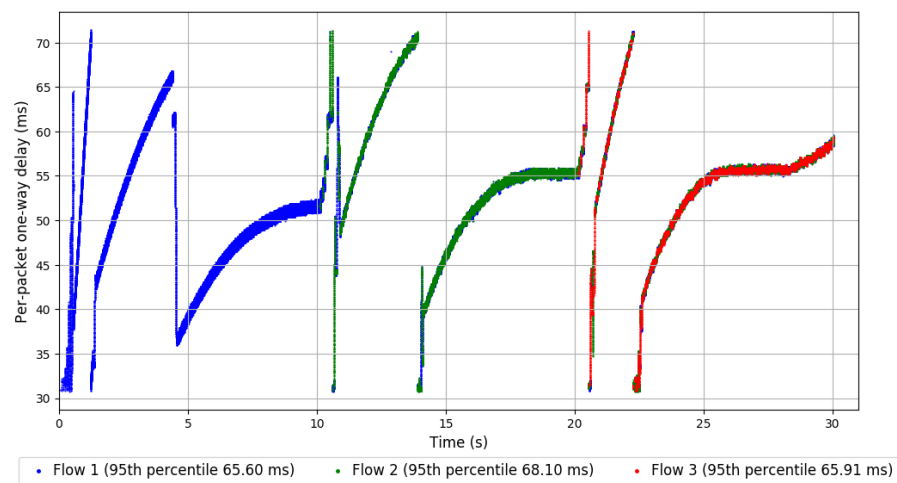
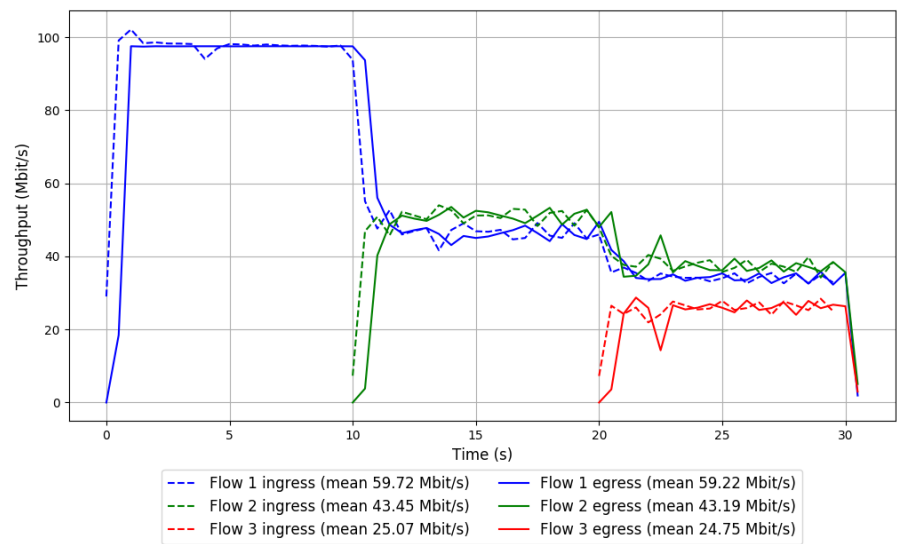
-- Flow 3:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 65.912 ms

Loss rate: 1.25%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 04:16:38

End at: 2018-08-22 04:17:08

Local clock offset: 0.591 ms

Remote clock offset: 2.127 ms

Below is generated by plot.py at 2018-08-22 06:25:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 66.308 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 67.224 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 28.38 Mbit/s

95th percentile per-packet one-way delay: 63.150 ms

Loss rate: 0.14%

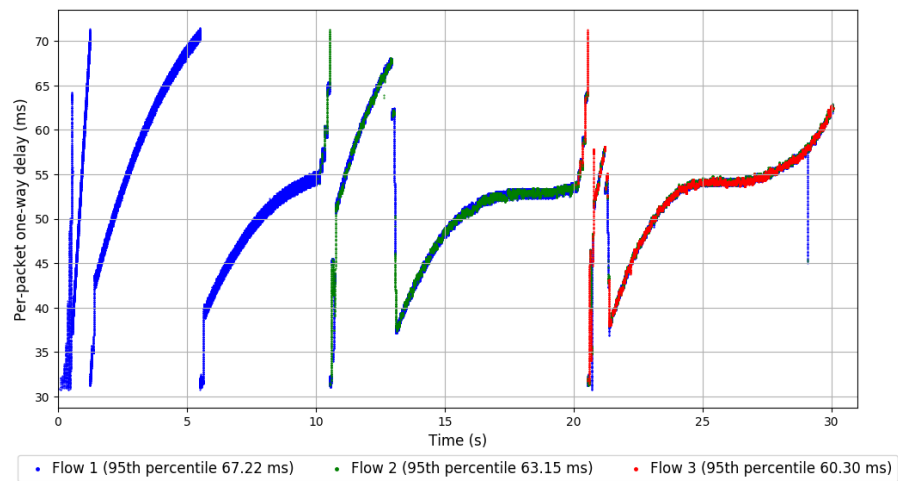
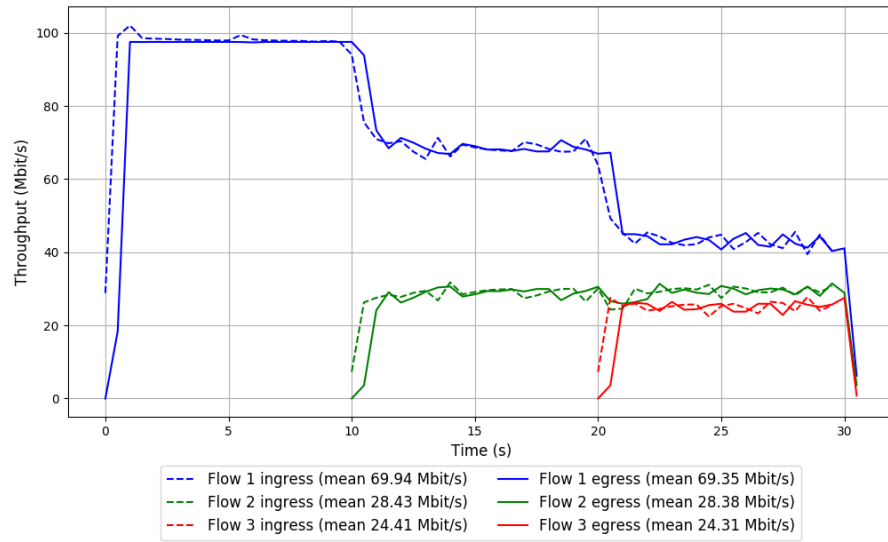
-- Flow 3:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 60.302 ms

Loss rate: 0.30%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 04:39:47

End at: 2018-08-22 04:40:17

Local clock offset: 0.067 ms

Remote clock offset: 2.257 ms

Below is generated by plot.py at 2018-08-22 06:25:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

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

Loss rate: 0.59%

-- Flow 1:

Average throughput: 69.63 Mbit/s

95th percentile per-packet one-way delay: 64.079 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 64.084 ms

Loss rate: 1.08%

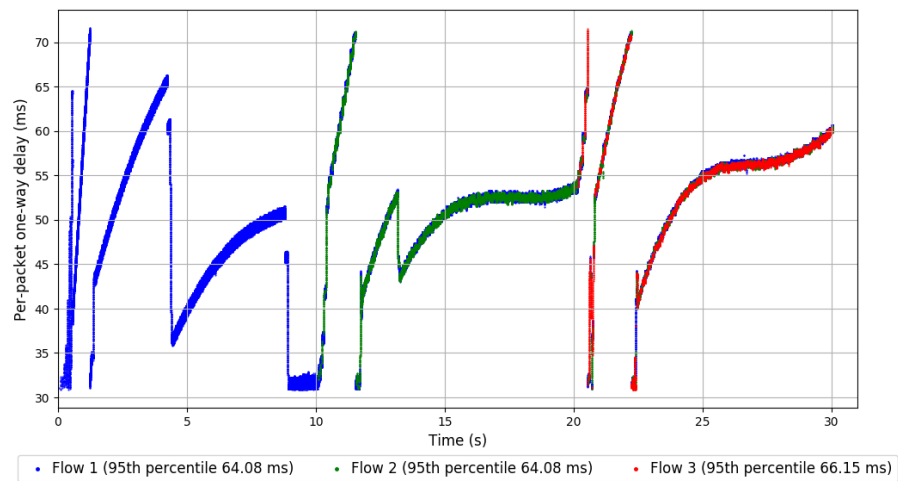
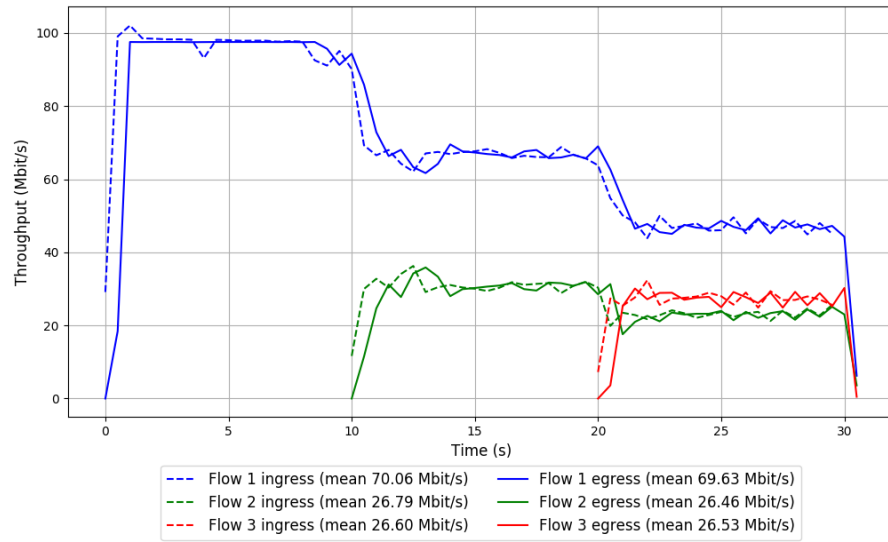
-- Flow 3:

Average throughput: 26.53 Mbit/s

95th percentile per-packet one-way delay: 66.152 ms

Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 05:02:41

End at: 2018-08-22 05:03:11

Local clock offset: 0.173 ms

Remote clock offset: 2.401 ms

Below is generated by plot.py at 2018-08-22 06:25:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 68.429 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 68.614 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 25.98 Mbit/s

95th percentile per-packet one-way delay: 68.344 ms

Loss rate: 0.59%

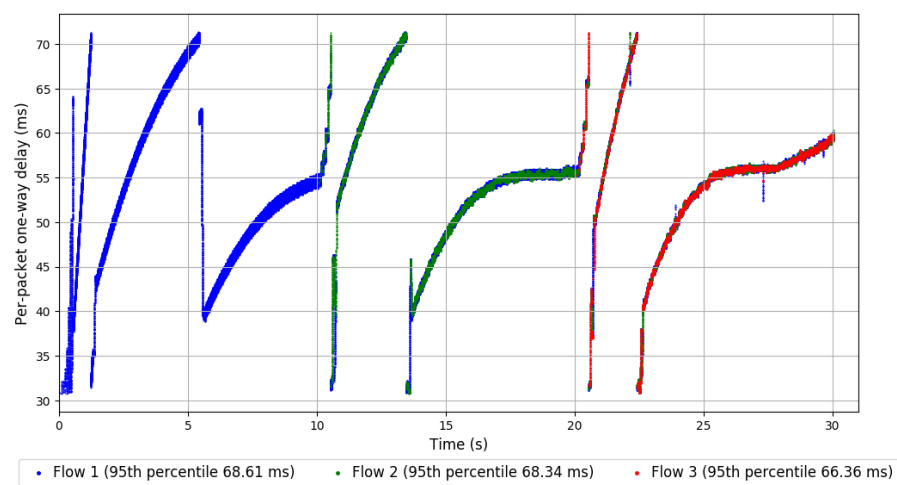
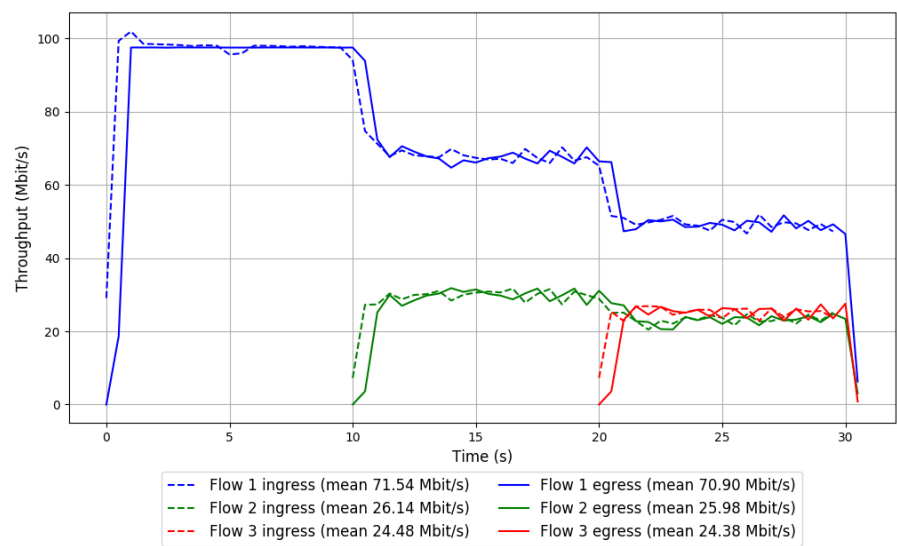
-- Flow 3:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 66.359 ms

Loss rate: 0.37%

Run 7: Report of TCP Cubic — Data Link

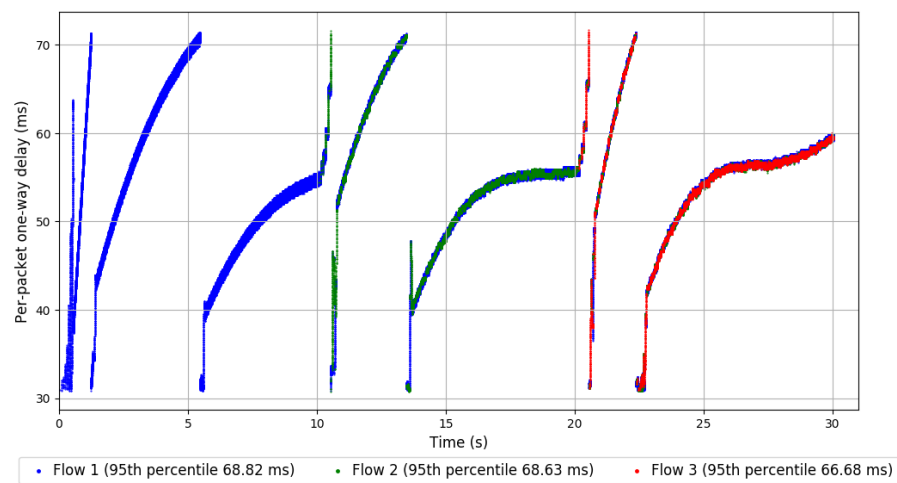
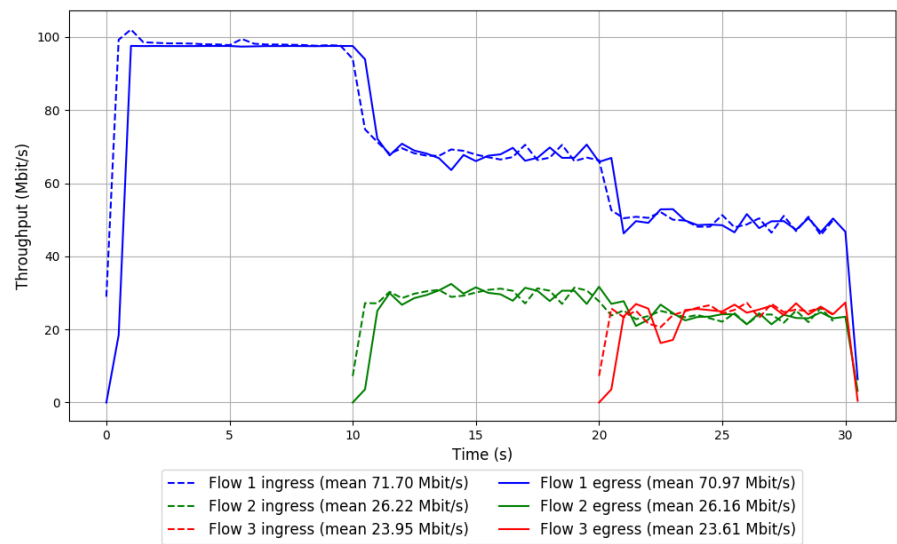


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 05:25:48
End at: 2018-08-22 05:26:18
Local clock offset: 0.45 ms
Remote clock offset: -0.854 ms

Below is generated by plot.py at 2018-08-22 06:25:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 68.631 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 70.97 Mbit/s
95th percentile per-packet one-way delay: 68.822 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 68.629 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 66.680 ms
Loss rate: 1.38%

Run 8: Report of TCP Cubic — Data Link

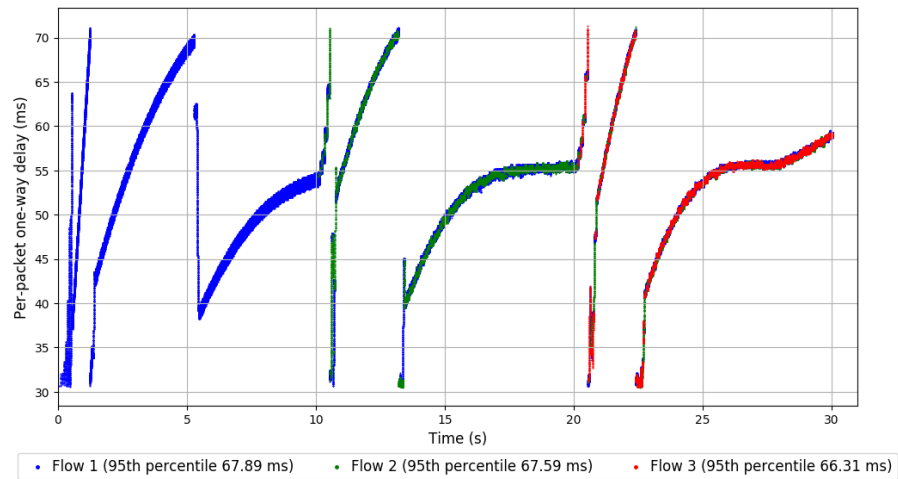
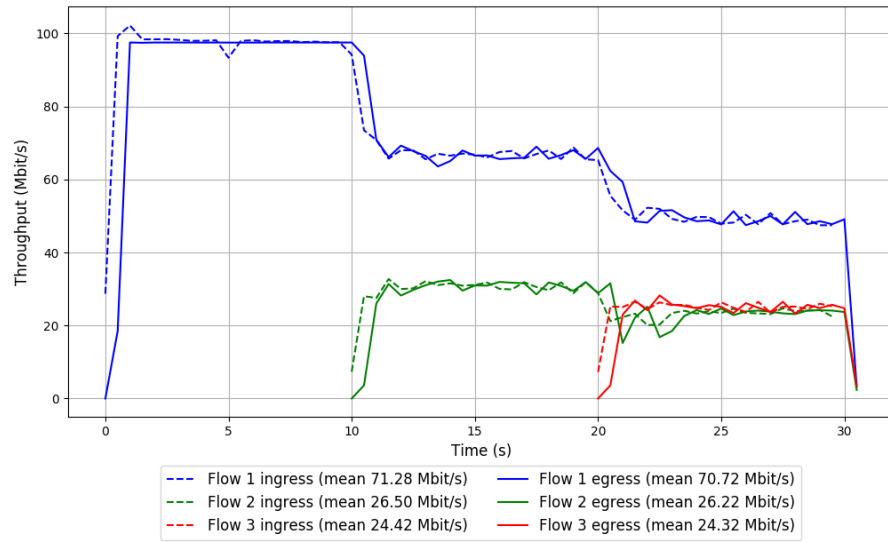


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 05:48:43
End at: 2018-08-22 05:49:13
Local clock offset: 0.222 ms
Remote clock offset: -2.149 ms

Below is generated by plot.py at 2018-08-22 06:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 67.668 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 67.887 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 67.586 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 66.315 ms
Loss rate: 0.38%

Run 9: Report of TCP Cubic — Data Link

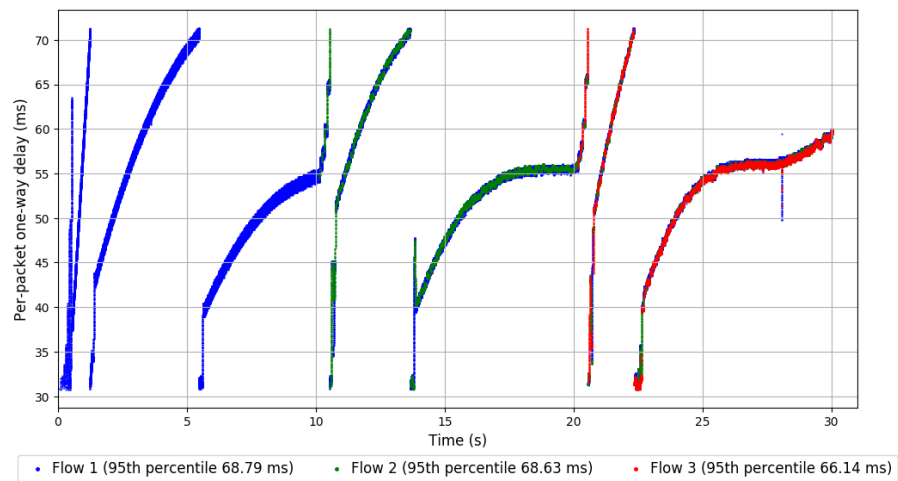
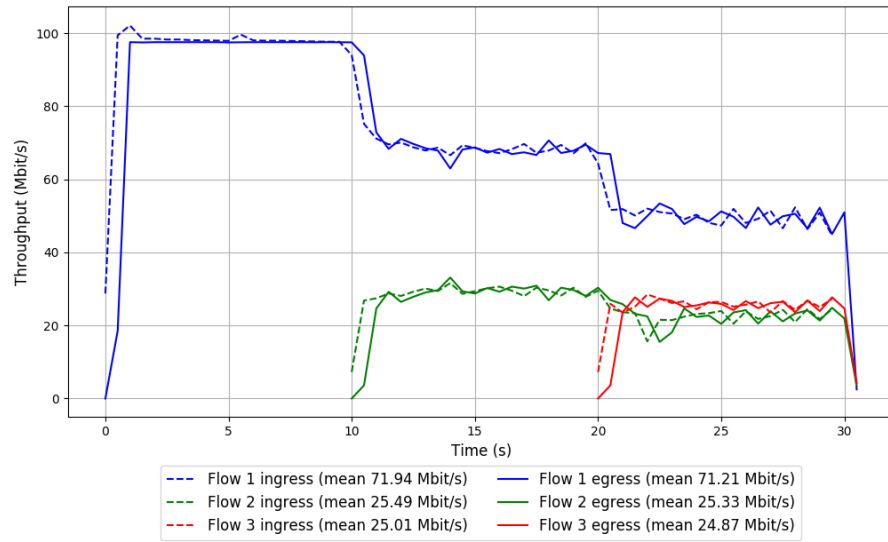


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 06:11:35
End at: 2018-08-22 06:12:05
Local clock offset: 0.042 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-08-22 06:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 68.585 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 71.21 Mbit/s
95th percentile per-packet one-way delay: 68.792 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 68.626 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 66.140 ms
Loss rate: 0.55%

Run 10: Report of TCP Cubic — Data Link

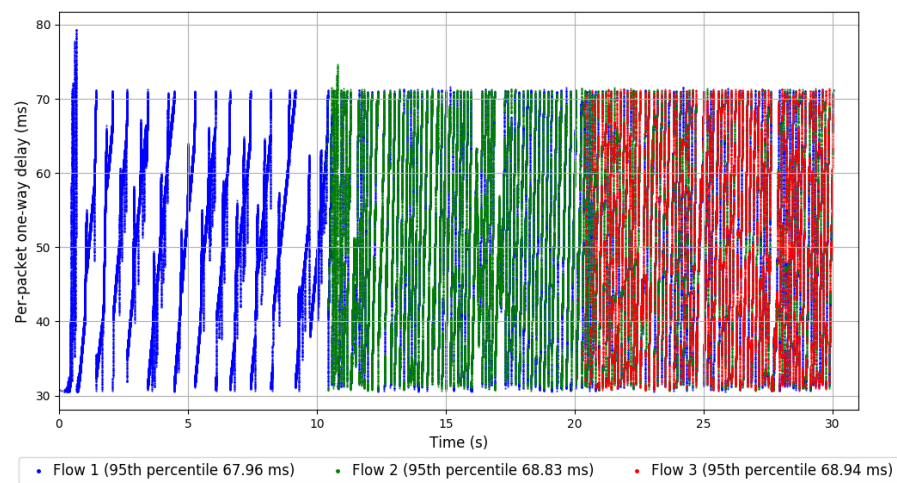
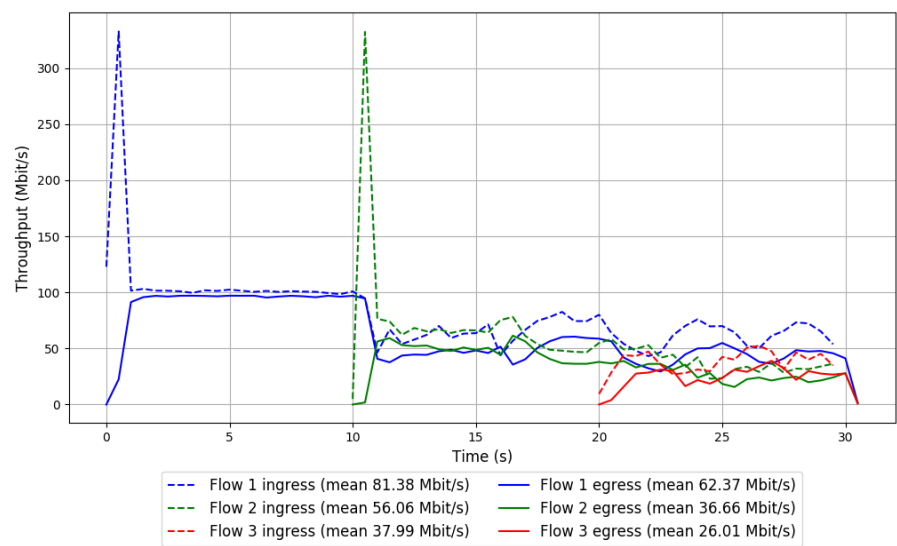


Run 1: Statistics of FillP

Start at: 2018-08-22 02:26:47
End at: 2018-08-22 02:27:17
Local clock offset: 0.026 ms
Remote clock offset: -0.936 ms

Below is generated by plot.py at 2018-08-22 06:26:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 68.358 ms
Loss rate: 27.24%
-- Flow 1:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 67.962 ms
Loss rate: 23.26%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 68.832 ms
Loss rate: 34.55%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 68.942 ms
Loss rate: 31.31%

Run 1: Report of FillP — Data Link

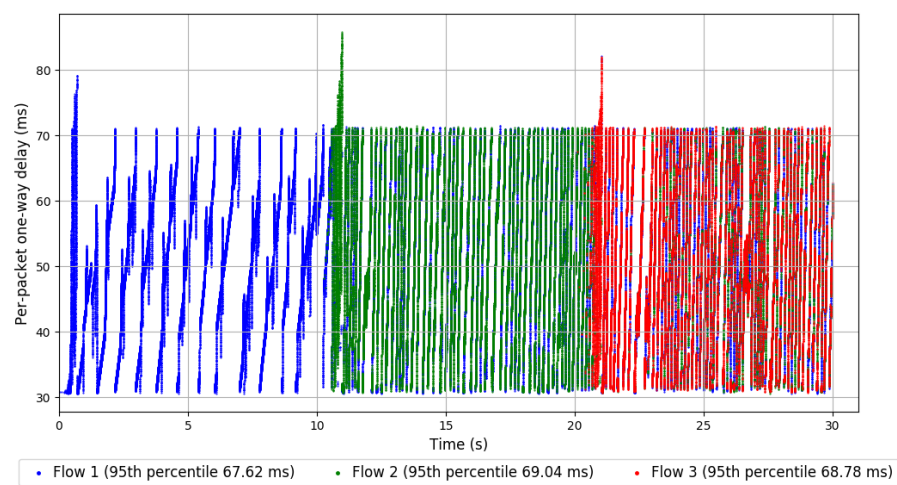
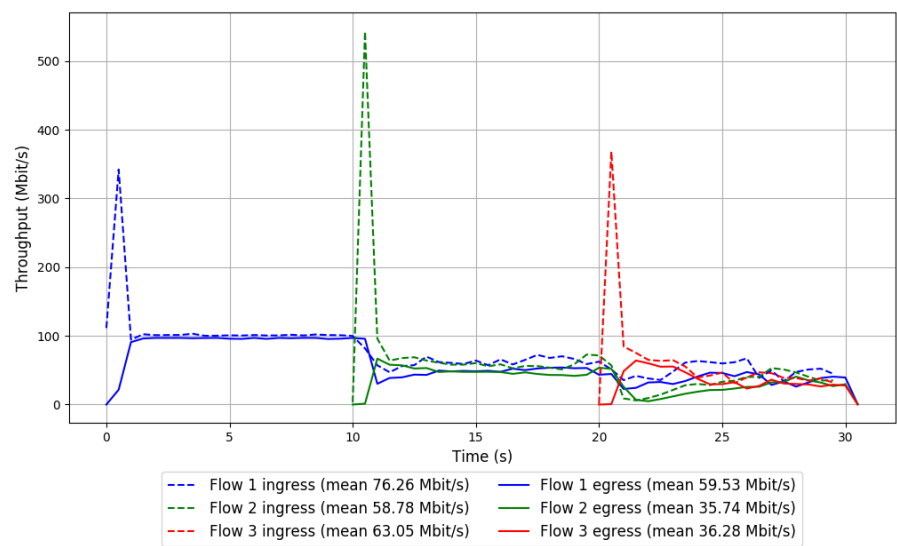


Run 2: Statistics of FillP

Start at: 2018-08-22 02:49:45
End at: 2018-08-22 02:50:15
Local clock offset: 0.117 ms
Remote clock offset: -0.977 ms

Below is generated by plot.py at 2018-08-22 06:26:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 68.221 ms
Loss rate: 29.99%
-- Flow 1:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 67.621 ms
Loss rate: 21.85%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 69.044 ms
Loss rate: 39.18%
-- Flow 3:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 68.778 ms
Loss rate: 42.49%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-22 03:12:47

End at: 2018-08-22 03:13:17

Local clock offset: 0.074 ms

Remote clock offset: 1.106 ms

Below is generated by plot.py at 2018-08-22 06:26:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 68.905 ms

Loss rate: 32.89%

-- Flow 1:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 68.218 ms

Loss rate: 23.80%

-- Flow 2:

Average throughput: 35.68 Mbit/s

95th percentile per-packet one-way delay: 69.665 ms

Loss rate: 41.65%

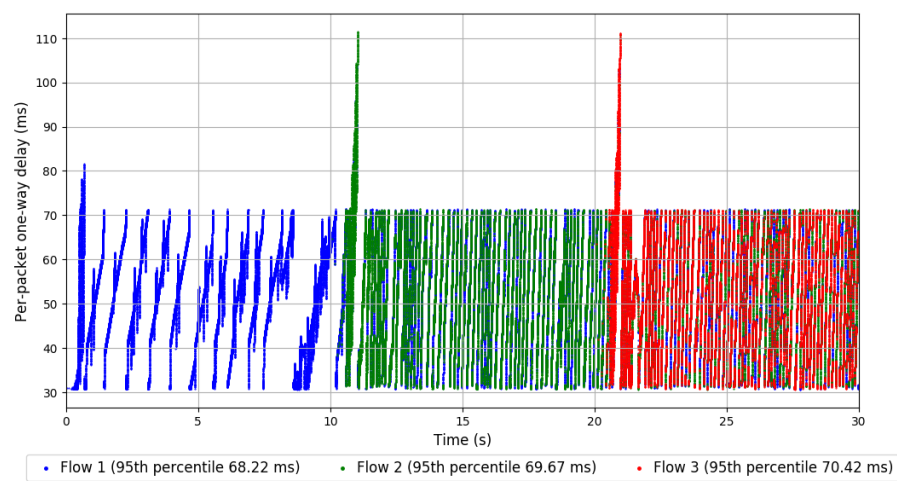
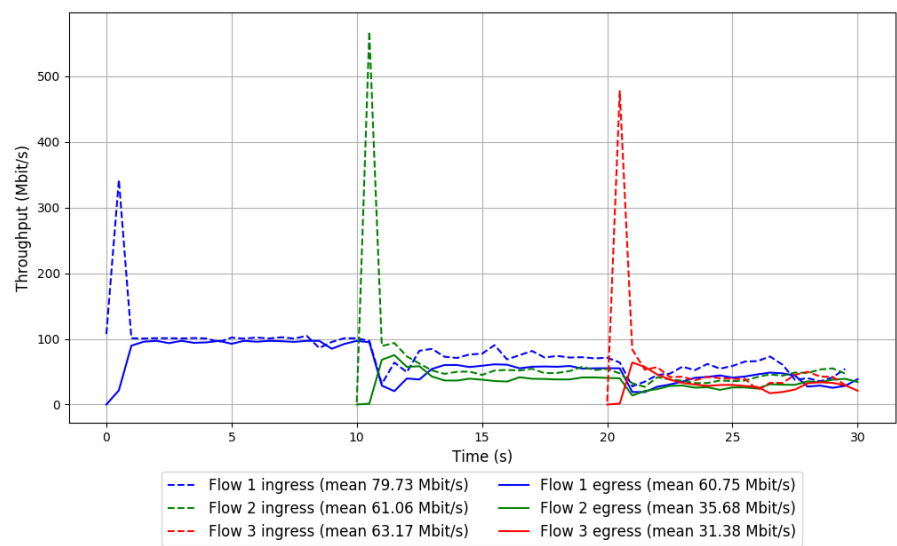
-- Flow 3:

Average throughput: 31.38 Mbit/s

95th percentile per-packet one-way delay: 70.417 ms

Loss rate: 50.45%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-22 03:36:04

End at: 2018-08-22 03:36:34

Local clock offset: 0.804 ms

Remote clock offset: 1.702 ms

Below is generated by plot.py at 2018-08-22 06:26:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 68.625 ms

Loss rate: 29.75%

-- Flow 1:

Average throughput: 60.52 Mbit/s

95th percentile per-packet one-way delay: 67.932 ms

Loss rate: 23.33%

-- Flow 2:

Average throughput: 33.14 Mbit/s

95th percentile per-packet one-way delay: 69.044 ms

Loss rate: 32.37%

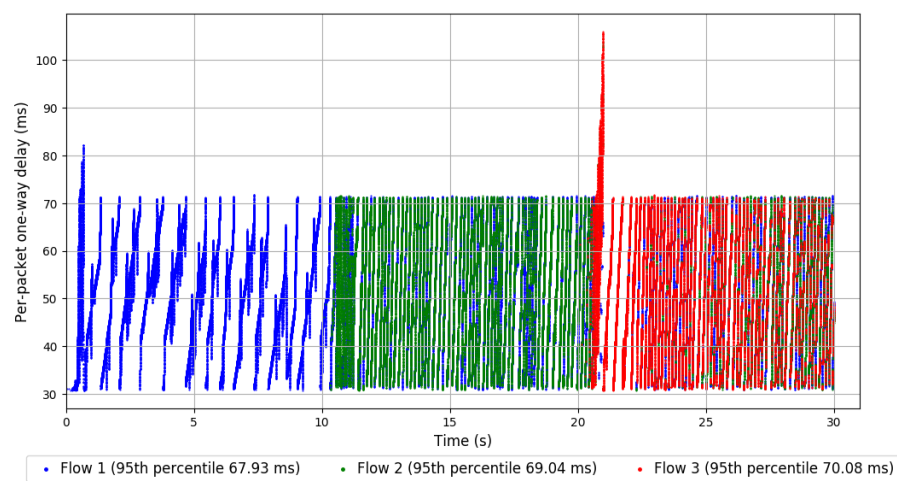
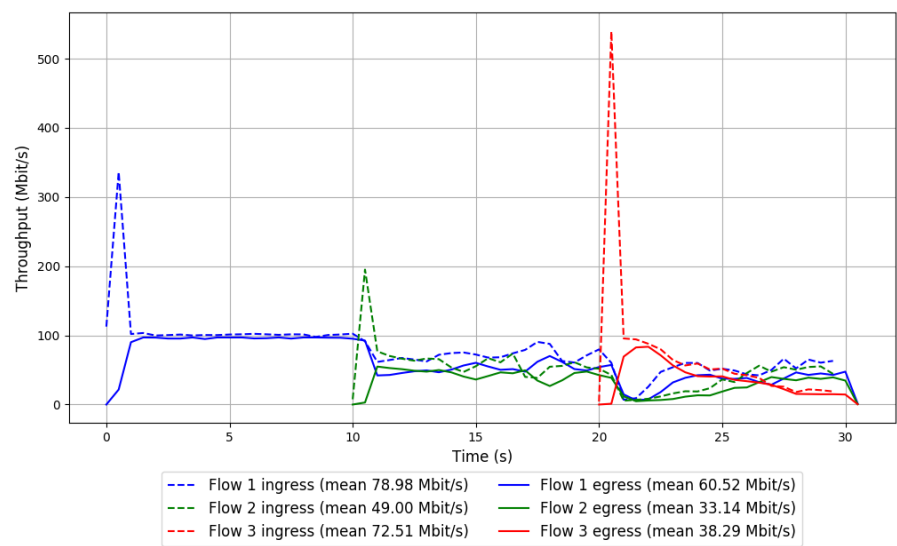
-- Flow 3:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 70.084 ms

Loss rate: 47.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-22 03:59:08

End at: 2018-08-22 03:59:38

Local clock offset: 1.359 ms

Remote clock offset: 1.954 ms

Below is generated by plot.py at 2018-08-22 06:26:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 68.527 ms

Loss rate: 26.47%

-- Flow 1:

Average throughput: 62.56 Mbit/s

95th percentile per-packet one-way delay: 68.037 ms

Loss rate: 21.58%

-- Flow 2:

Average throughput: 30.52 Mbit/s

95th percentile per-packet one-way delay: 69.389 ms

Loss rate: 37.12%

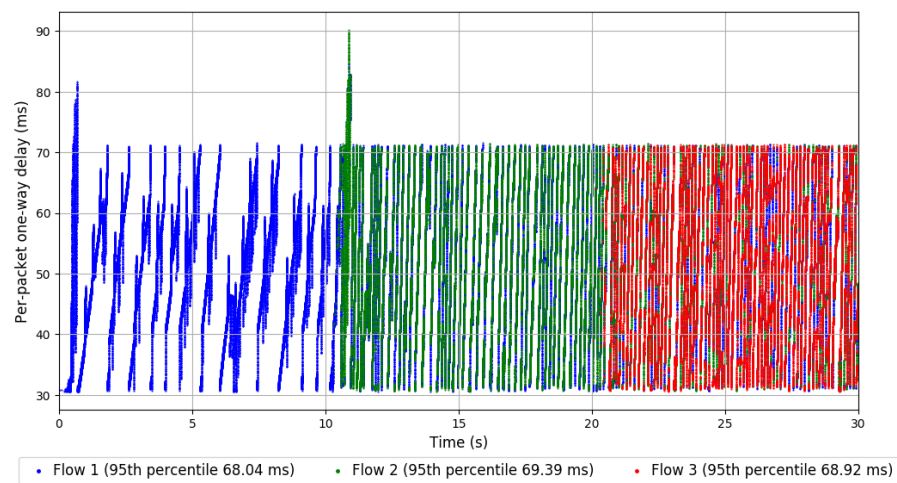
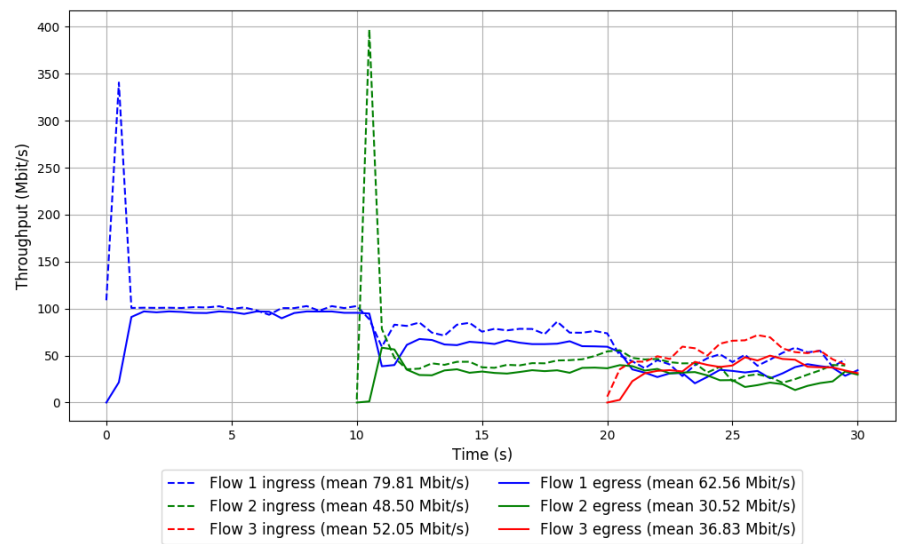
-- Flow 3:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 68.922 ms

Loss rate: 29.18%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-22 04:22:01

End at: 2018-08-22 04:22:31

Local clock offset: 0.365 ms

Remote clock offset: 2.118 ms

Below is generated by plot.py at 2018-08-22 06:26:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 68.301 ms

Loss rate: 24.79%

-- Flow 1:

Average throughput: 64.18 Mbit/s

95th percentile per-packet one-way delay: 68.042 ms

Loss rate: 22.78%

-- Flow 2:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 68.762 ms

Loss rate: 28.43%

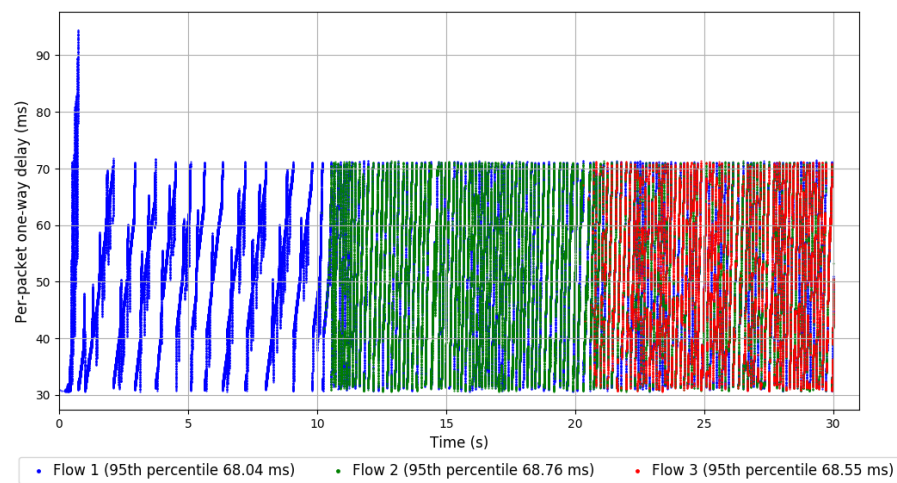
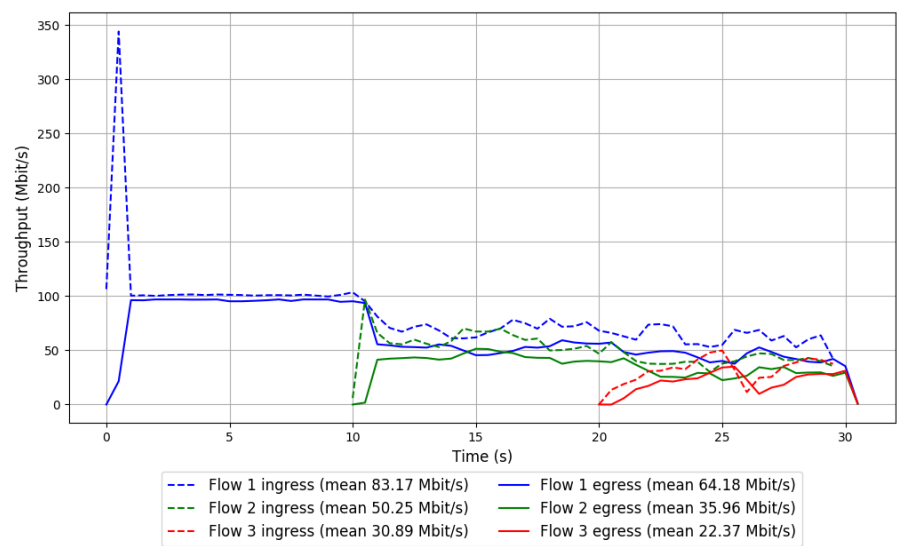
-- Flow 3:

Average throughput: 22.37 Mbit/s

95th percentile per-packet one-way delay: 68.554 ms

Loss rate: 29.18%

Run 6: Report of FillP — Data Link

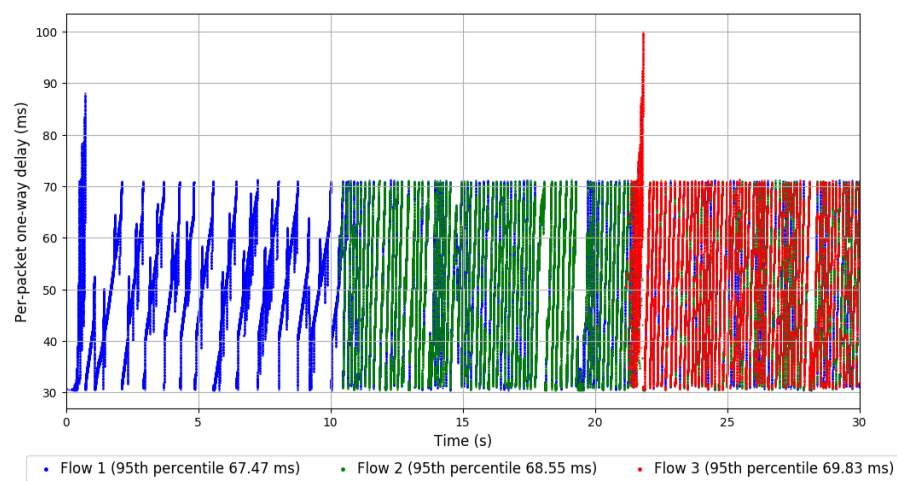
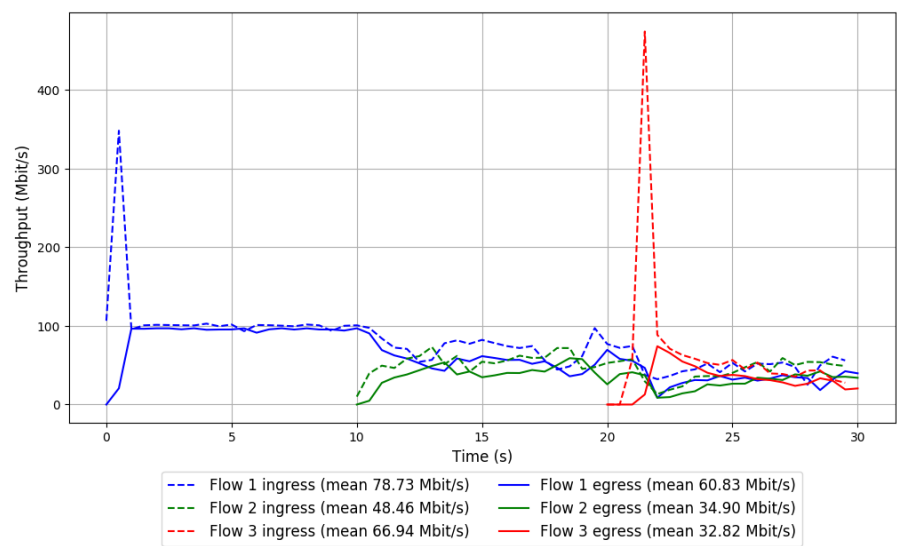


Run 7: Statistics of FillP

Start at: 2018-08-22 04:45:15
End at: 2018-08-22 04:45:45
Local clock offset: 0.184 ms
Remote clock offset: 2.143 ms

Below is generated by plot.py at 2018-08-22 06:27:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 68.162 ms
Loss rate: 28.73%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 67.472 ms
Loss rate: 22.73%
-- Flow 2:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 68.548 ms
Loss rate: 28.02%
-- Flow 3:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 69.826 ms
Loss rate: 51.02%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-22 05:08:08

End at: 2018-08-22 05:08:38

Local clock offset: 0.204 ms

Remote clock offset: 2.32 ms

Below is generated by plot.py at 2018-08-22 06:27:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 68.290 ms

Loss rate: 27.37%

-- Flow 1:

Average throughput: 59.94 Mbit/s

95th percentile per-packet one-way delay: 67.992 ms

Loss rate: 23.87%

-- Flow 2:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 68.537 ms

Loss rate: 32.15%

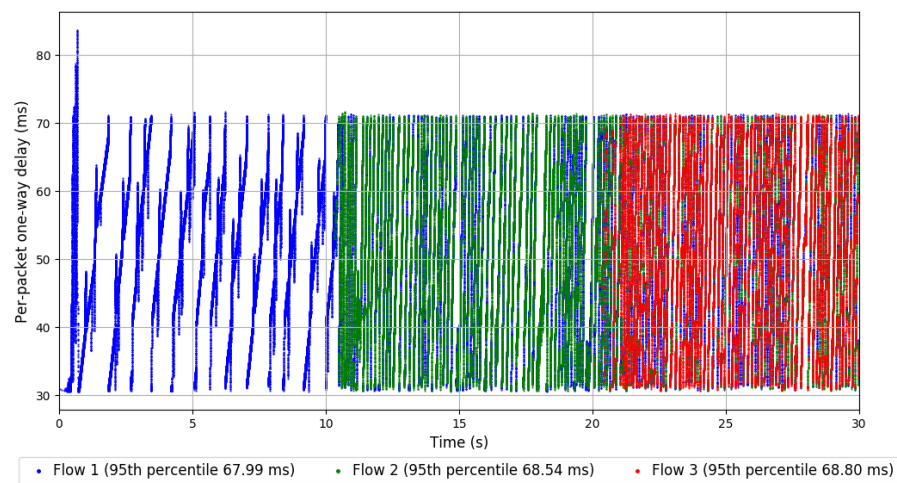
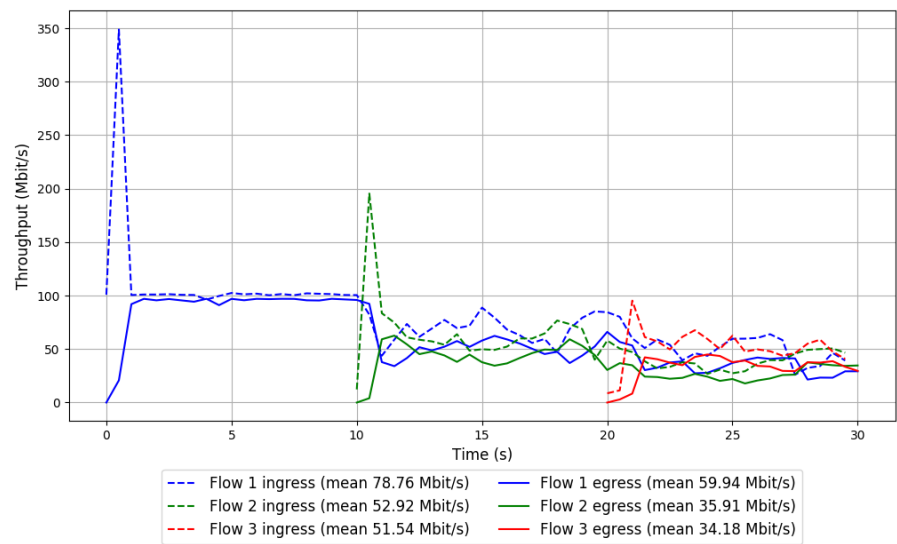
-- Flow 3:

Average throughput: 34.18 Mbit/s

95th percentile per-packet one-way delay: 68.804 ms

Loss rate: 33.66%

Run 8: Report of FillP — Data Link

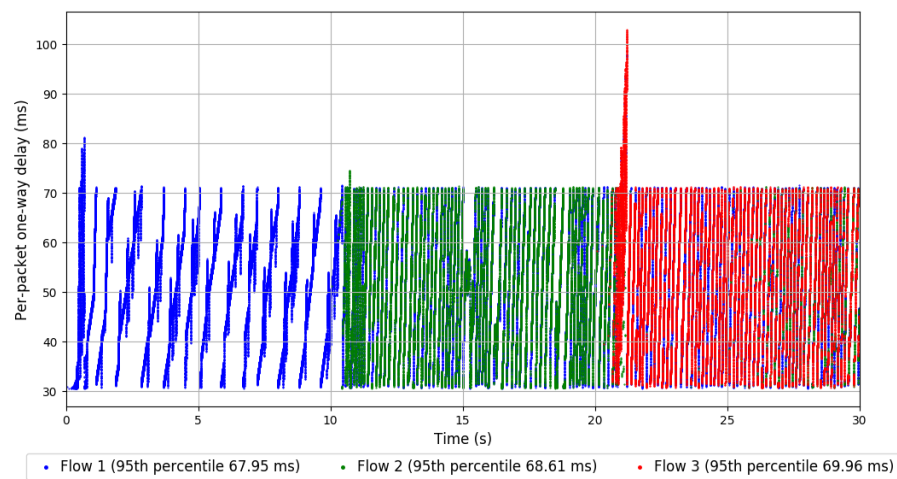
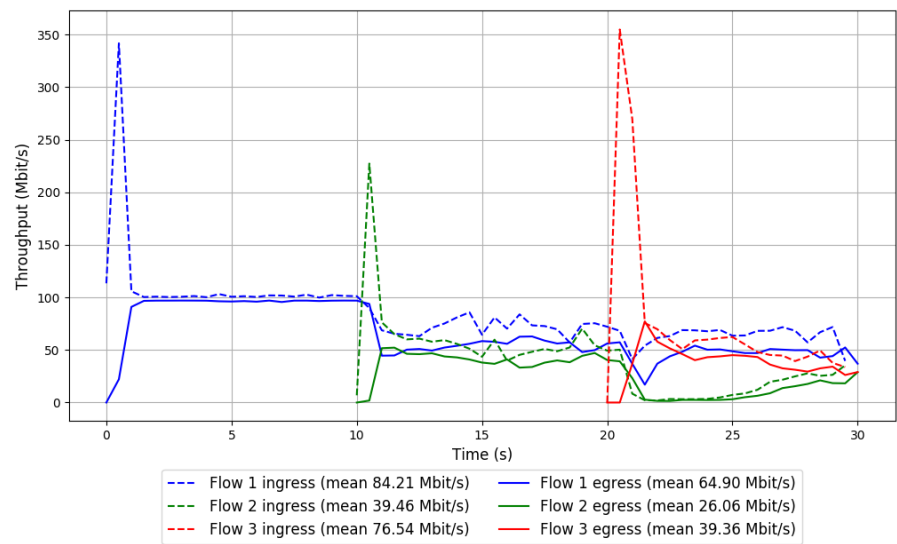


Run 9: Statistics of FillP

Start at: 2018-08-22 05:31:14
End at: 2018-08-22 05:31:44
Local clock offset: 0.462 ms
Remote clock offset: -1.544 ms

Below is generated by plot.py at 2018-08-22 06:27:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 68.397 ms
Loss rate: 29.85%
-- Flow 1:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 67.953 ms
Loss rate: 22.89%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 68.605 ms
Loss rate: 33.97%
-- Flow 3:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 69.957 ms
Loss rate: 48.64%

Run 9: Report of FillP — Data Link

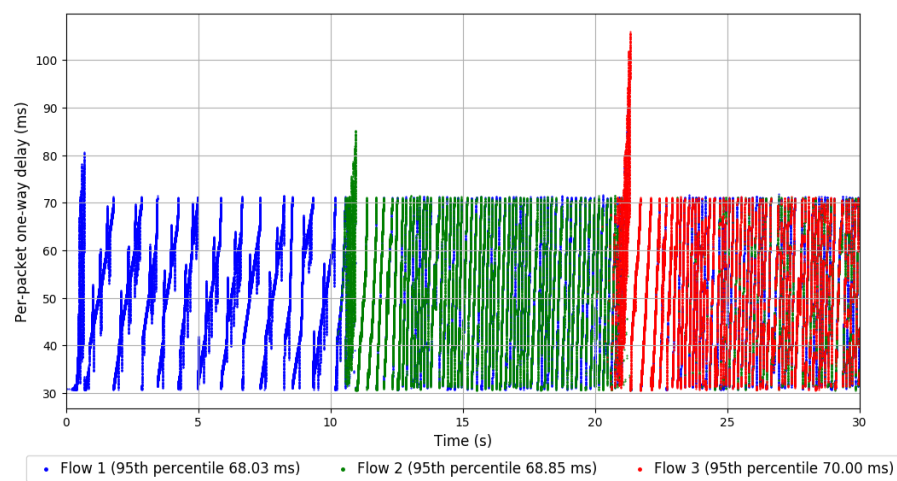
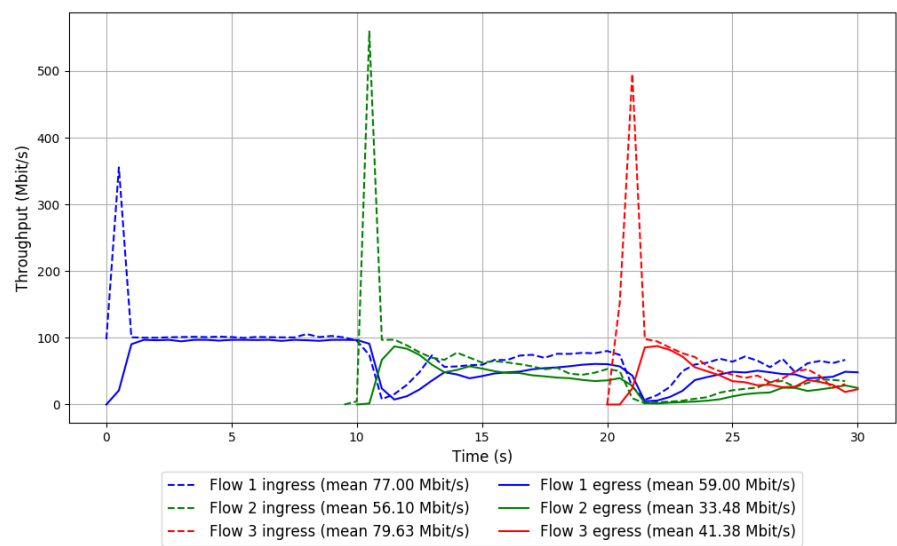


Run 10: Statistics of FillP

Start at: 2018-08-22 05:54:06
End at: 2018-08-22 05:54:36
Local clock offset: 0.069 ms
Remote clock offset: -1.509 ms

Below is generated by plot.py at 2018-08-22 06:28:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 68.541 ms
Loss rate: 32.51%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 68.032 ms
Loss rate: 23.35%
-- Flow 2:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 68.848 ms
Loss rate: 40.37%
-- Flow 3:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 70.004 ms
Loss rate: 48.08%

Run 10: Report of FillP — Data Link

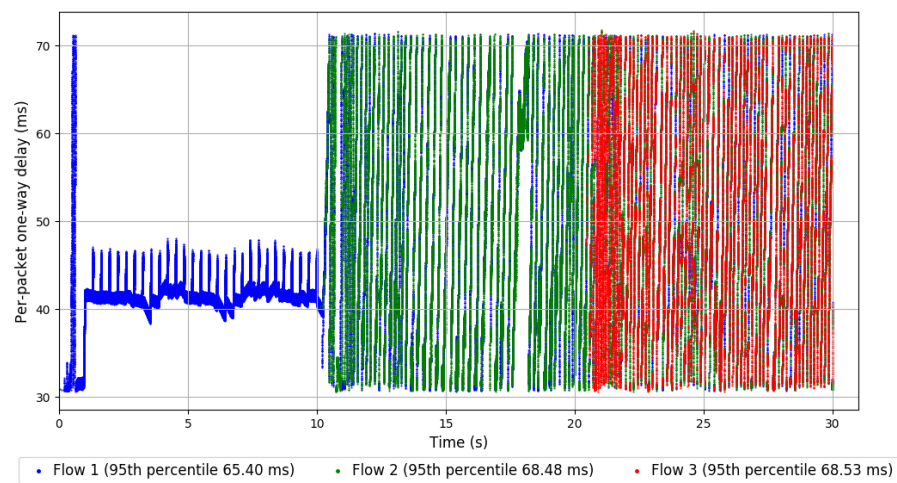
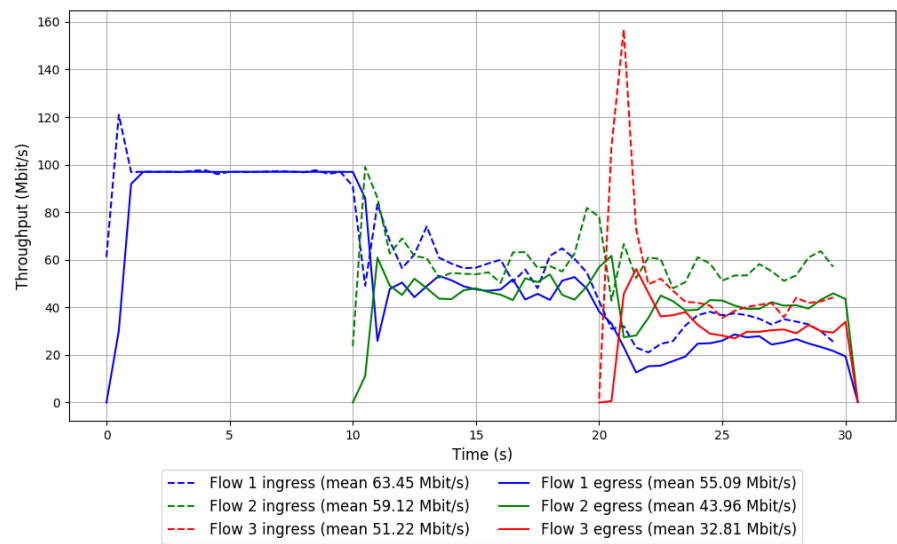


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 02:39:04
End at: 2018-08-22 02:39:34
Local clock offset: 0.094 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2018-08-22 06:28:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 67.276 ms
Loss rate: 20.49%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 65.396 ms
Loss rate: 13.15%
-- Flow 2:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 68.484 ms
Loss rate: 25.64%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 68.528 ms
Loss rate: 35.98%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 03:02:04

End at: 2018-08-22 03:02:34

Local clock offset: 0.065 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-22 06:28:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 67.384 ms

Loss rate: 19.01%

-- Flow 1:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 66.250 ms

Loss rate: 13.30%

-- Flow 2:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 68.374 ms

Loss rate: 25.28%

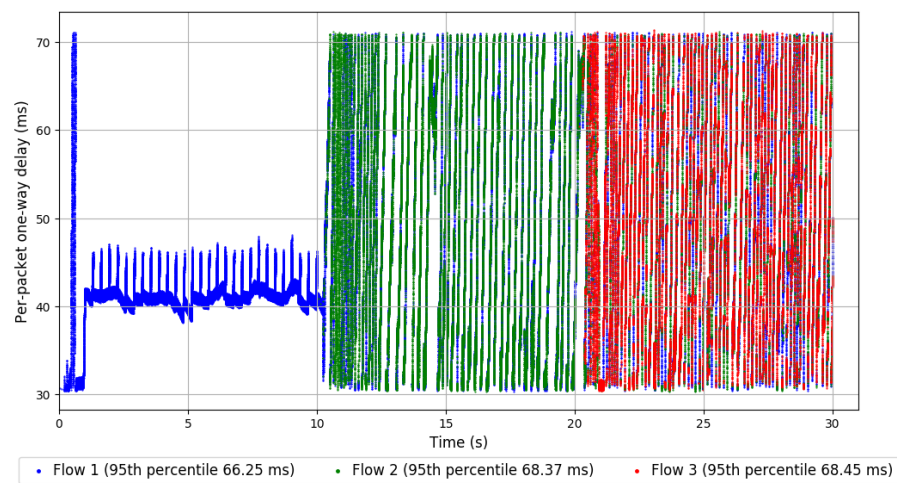
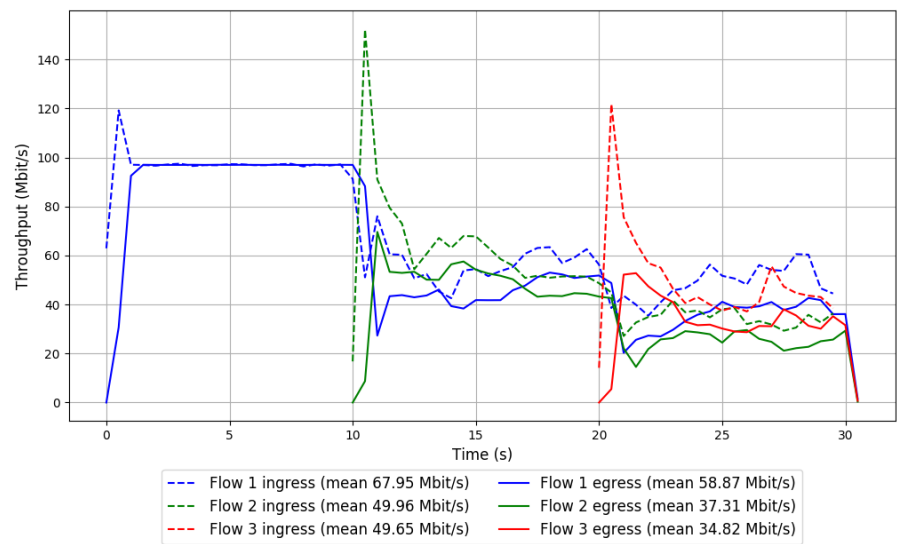
-- Flow 3:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 68.454 ms

Loss rate: 29.88%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 03:25:23

End at: 2018-08-22 03:25:53

Local clock offset: 0.505 ms

Remote clock offset: 1.497 ms

Below is generated by plot.py at 2018-08-22 06:28:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 67.352 ms

Loss rate: 19.99%

-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 65.814 ms

Loss rate: 13.91%

-- Flow 2:

Average throughput: 37.68 Mbit/s

95th percentile per-packet one-way delay: 68.501 ms

Loss rate: 25.13%

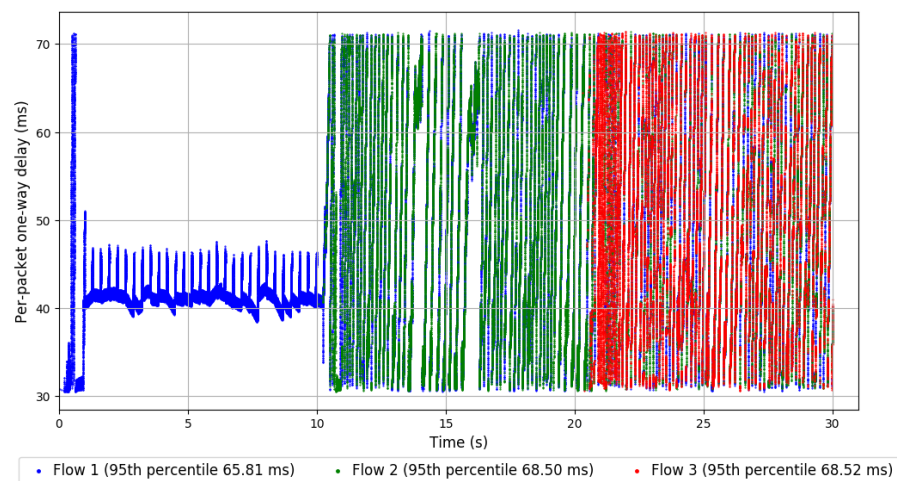
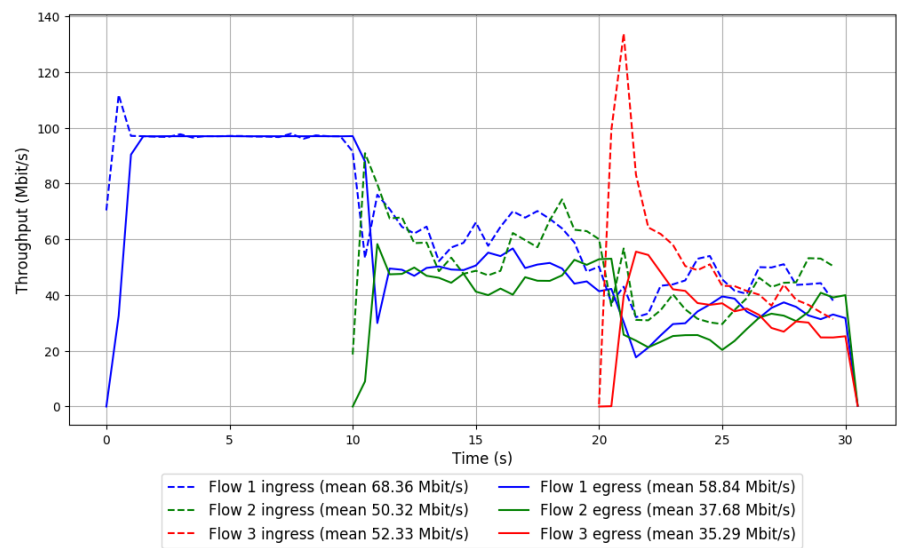
-- Flow 3:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 68.524 ms

Loss rate: 34.09%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 03:48:25

End at: 2018-08-22 03:48:55

Local clock offset: 1.156 ms

Remote clock offset: 1.684 ms

Below is generated by plot.py at 2018-08-22 06:28:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 67.352 ms

Loss rate: 18.11%

-- Flow 1:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 66.278 ms

Loss rate: 12.74%

-- Flow 2:

Average throughput: 35.35 Mbit/s

95th percentile per-packet one-way delay: 68.265 ms

Loss rate: 22.59%

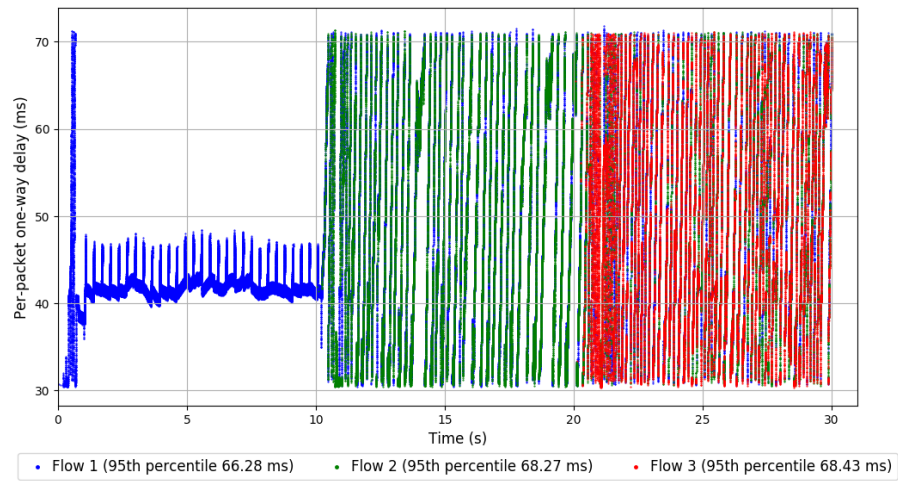
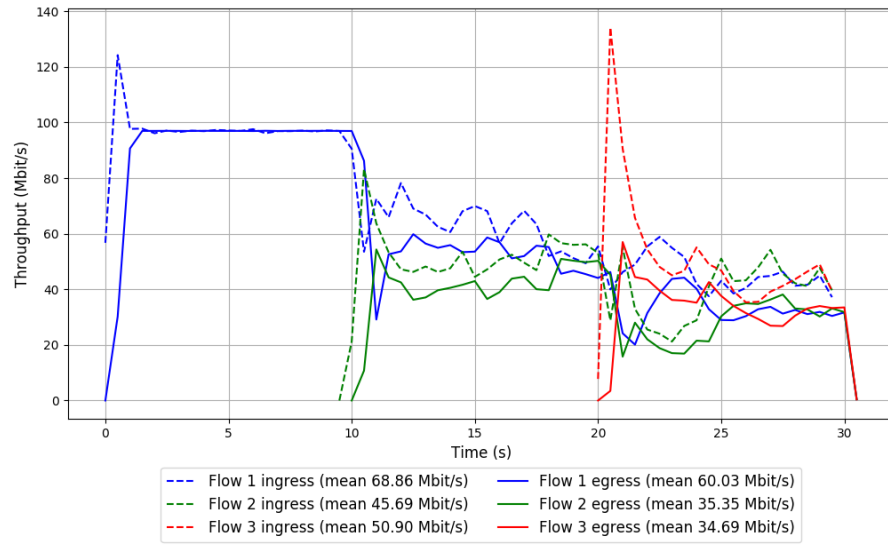
-- Flow 3:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 68.426 ms

Loss rate: 31.94%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 04:11:23

End at: 2018-08-22 04:11:53

Local clock offset: 1.001 ms

Remote clock offset: 2.032 ms

Below is generated by plot.py at 2018-08-22 06:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 67.421 ms

Loss rate: 20.37%

-- Flow 1:

Average throughput: 58.28 Mbit/s

95th percentile per-packet one-way delay: 66.029 ms

Loss rate: 14.37%

-- Flow 2:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 68.419 ms

Loss rate: 24.86%

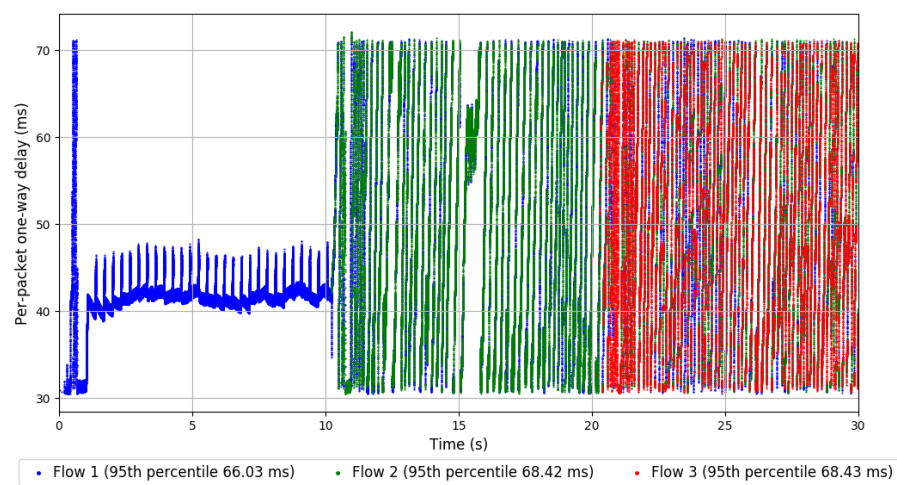
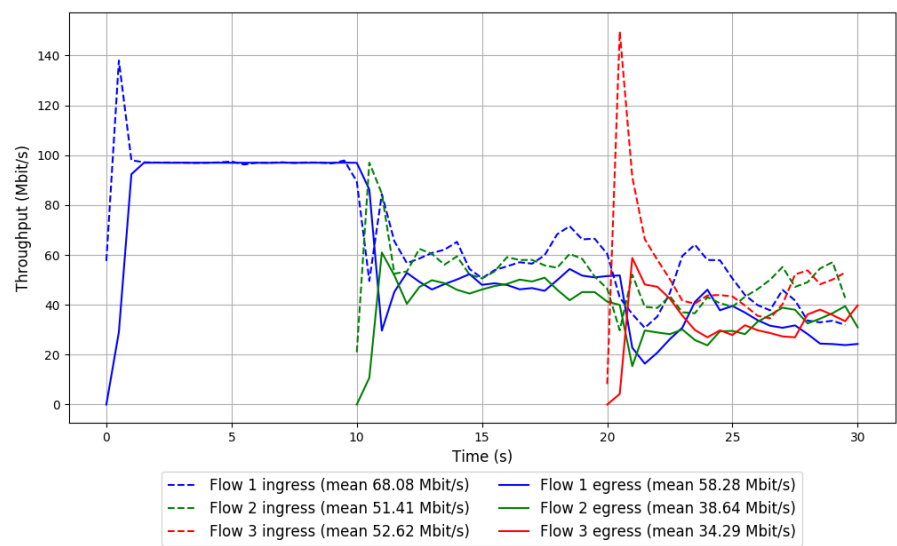
-- Flow 3:

Average throughput: 34.29 Mbit/s

95th percentile per-packet one-way delay: 68.433 ms

Loss rate: 34.98%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 04:34:27

End at: 2018-08-22 04:34:57

Local clock offset: 0.157 ms

Remote clock offset: 1.903 ms

Below is generated by plot.py at 2018-08-22 06:28:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 67.187 ms

Loss rate: 20.40%

-- Flow 1:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 65.670 ms

Loss rate: 13.17%

-- Flow 2:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 68.180 ms

Loss rate: 25.14%

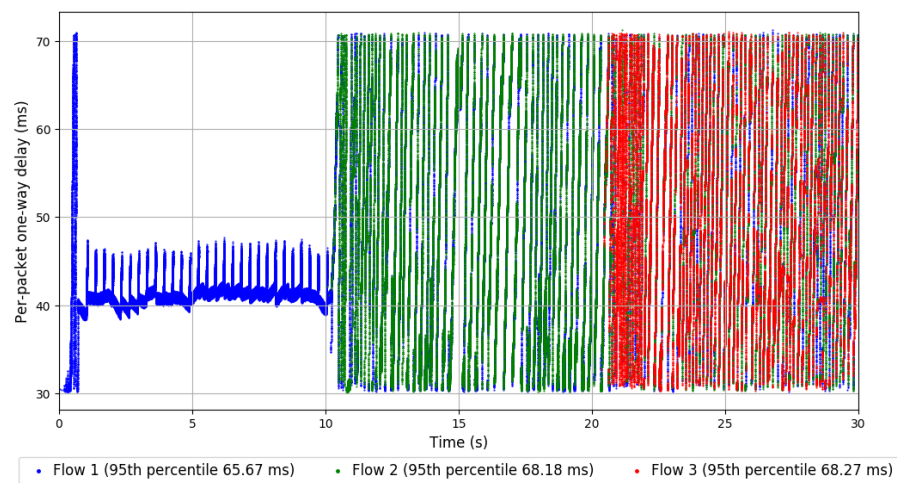
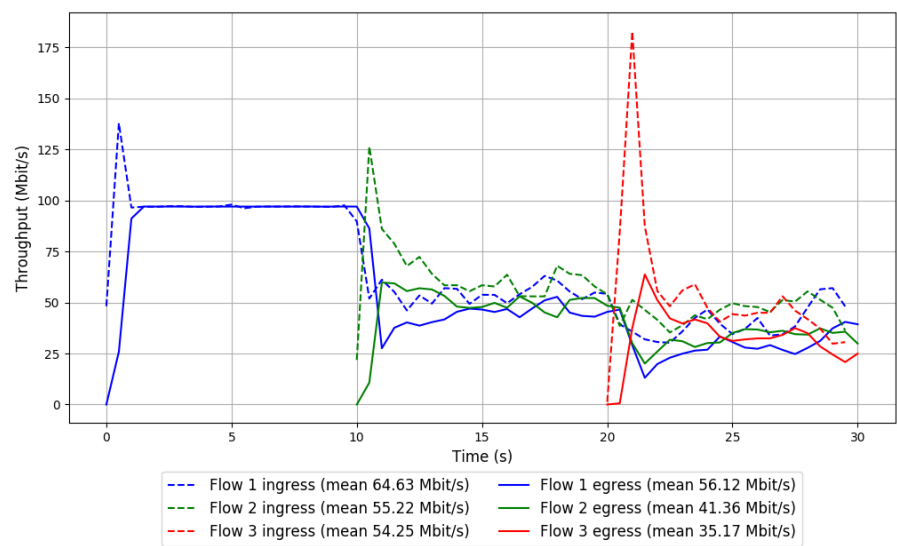
-- Flow 3:

Average throughput: 35.17 Mbit/s

95th percentile per-packet one-way delay: 68.269 ms

Loss rate: 36.70%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 04:57:26

End at: 2018-08-22 04:57:56

Local clock offset: 0.19 ms

Remote clock offset: 2.121 ms

Below is generated by plot.py at 2018-08-22 06:29:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 67.019 ms

Loss rate: 17.79%

-- Flow 1:

Average throughput: 56.76 Mbit/s

95th percentile per-packet one-way delay: 65.182 ms

Loss rate: 12.91%

-- Flow 2:

Average throughput: 42.81 Mbit/s

95th percentile per-packet one-way delay: 68.115 ms

Loss rate: 23.22%

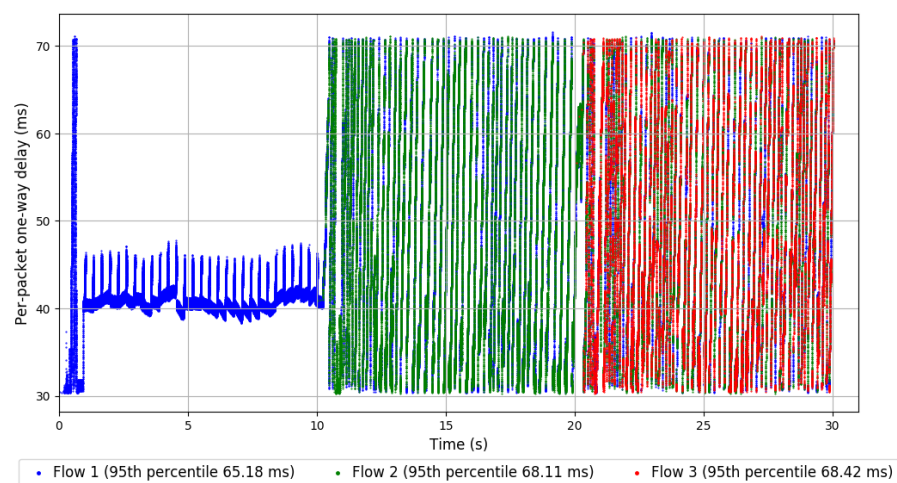
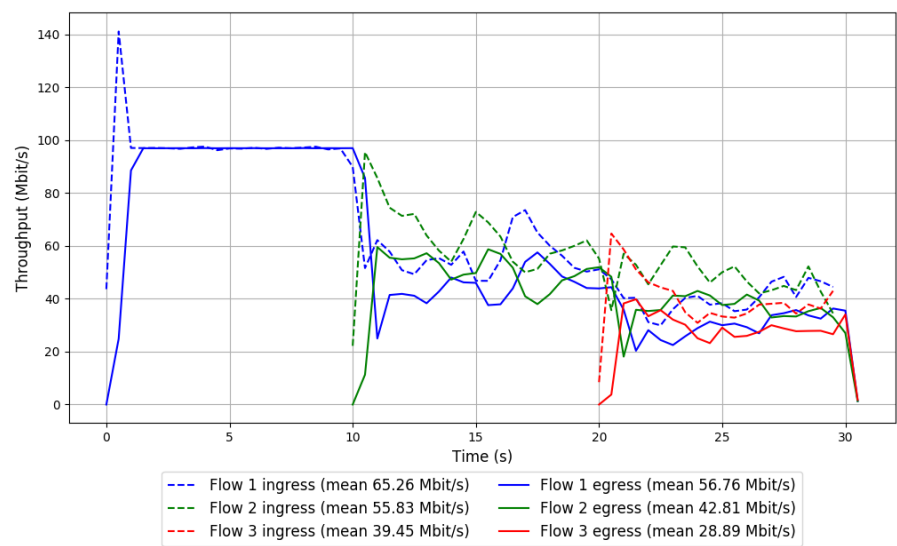
-- Flow 3:

Average throughput: 28.89 Mbit/s

95th percentile per-packet one-way delay: 68.424 ms

Loss rate: 26.67%

Run 7: Report of FillP-Sheep — Data Link

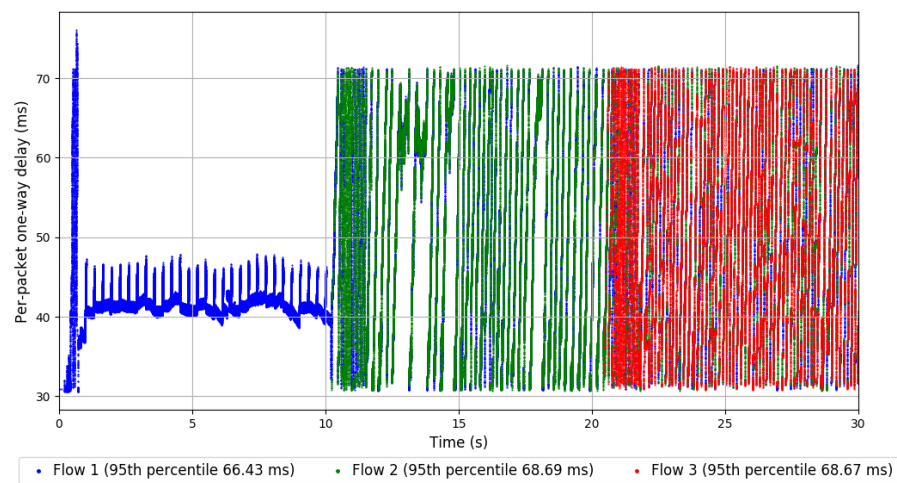
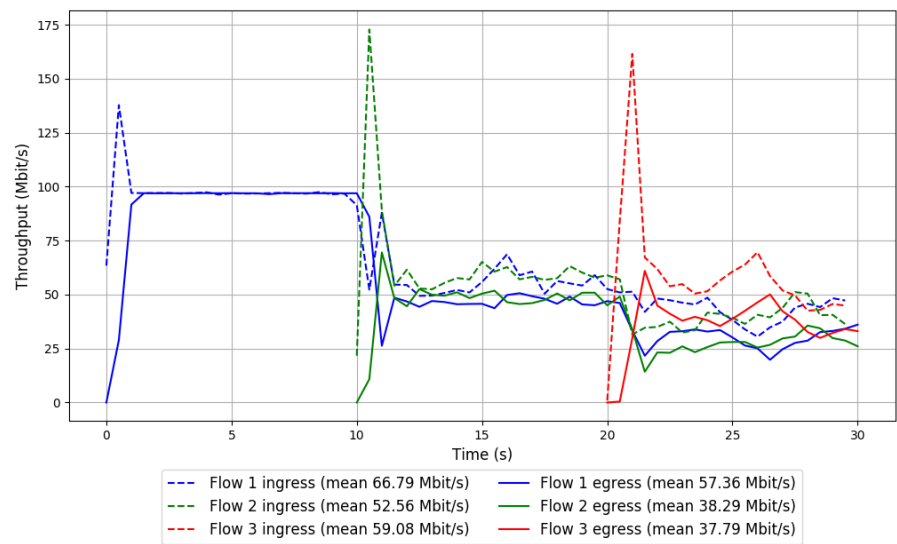


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 05:20:33
End at: 2018-08-22 05:21:03
Local clock offset: 0.402 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-22 06:29:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 67.722 ms
Loss rate: 21.42%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 66.429 ms
Loss rate: 14.10%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 68.687 ms
Loss rate: 27.15%
-- Flow 3:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 68.665 ms
Loss rate: 36.17%

Run 8: Report of FillP-Sheep — Data Link

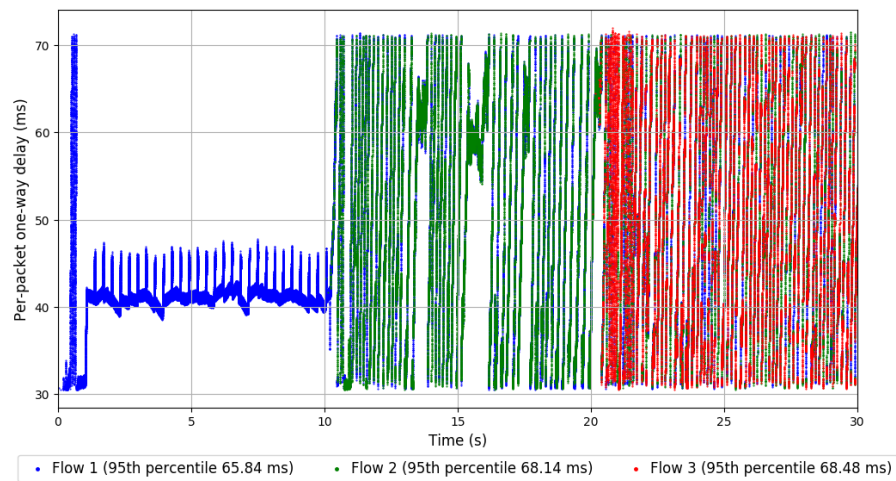
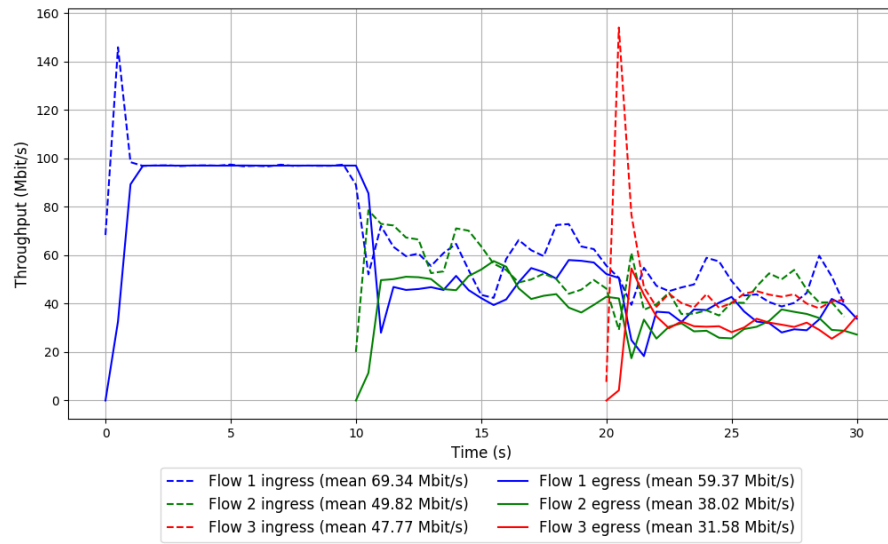


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 05:43:28
End at: 2018-08-22 05:43:58
Local clock offset: 0.325 ms
Remote clock offset: -2.322 ms

Below is generated by plot.py at 2018-08-22 06:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 67.110 ms
Loss rate: 19.55%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 65.838 ms
Loss rate: 14.31%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 68.140 ms
Loss rate: 23.64%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 68.483 ms
Loss rate: 33.86%

Run 9: Report of FillP-Sheep — Data Link

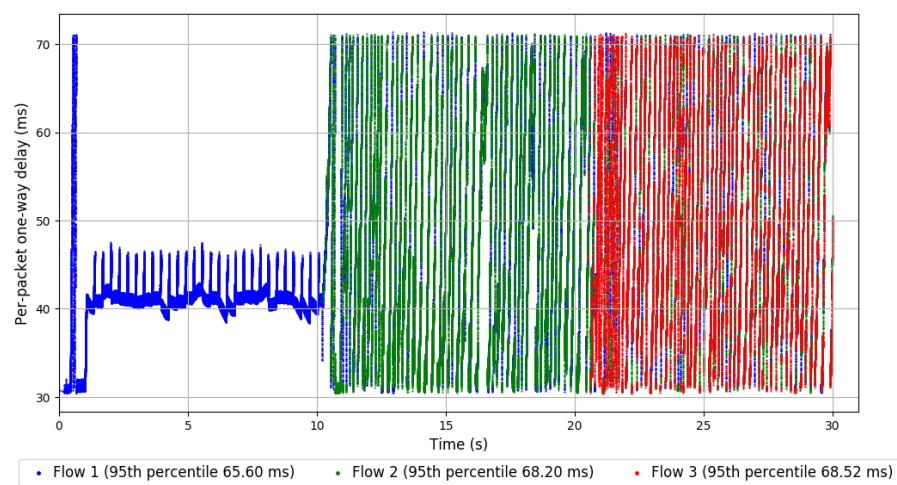
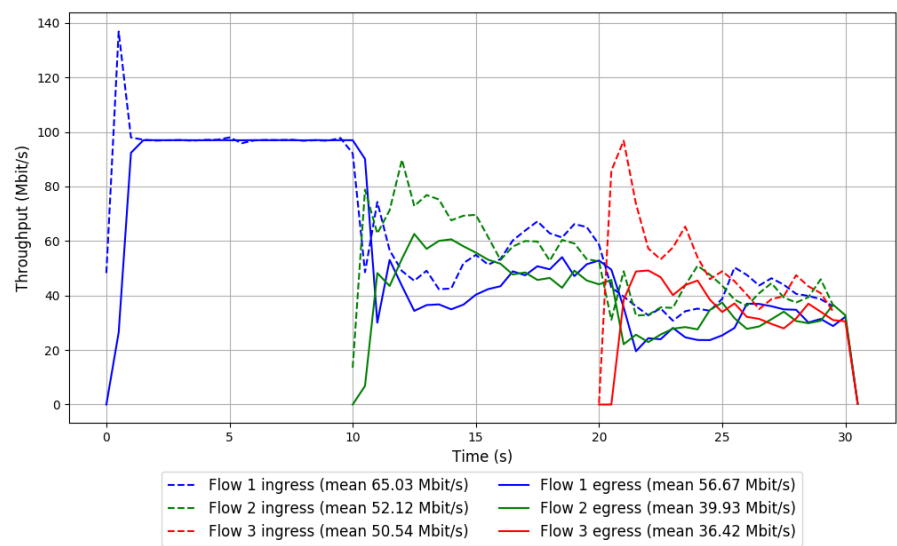


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 06:06:19
End at: 2018-08-22 06:06:49
Local clock offset: 0.098 ms
Remote clock offset: -1.209 ms

Below is generated by plot.py at 2018-08-22 06:29:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 67.198 ms
Loss rate: 18.35%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 65.597 ms
Loss rate: 12.80%
-- Flow 2:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 68.202 ms
Loss rate: 23.36%
-- Flow 3:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 68.521 ms
Loss rate: 29.51%

Run 10: Report of FillP-Sheep — Data Link

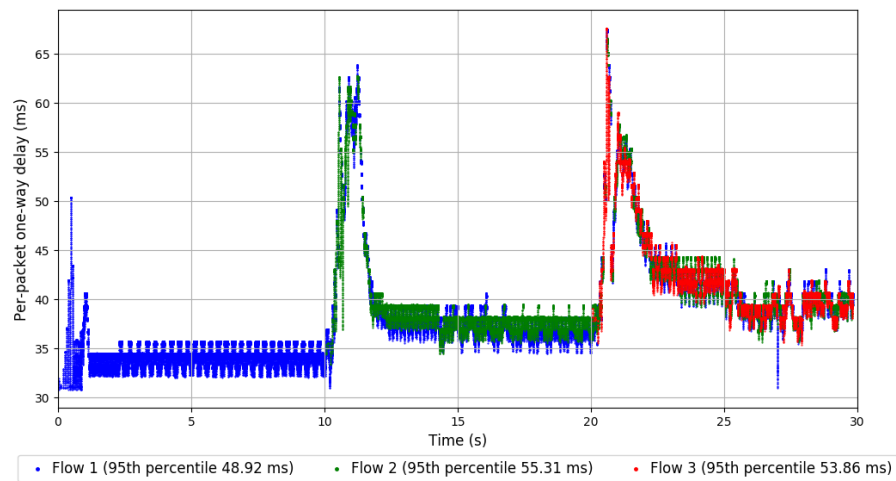
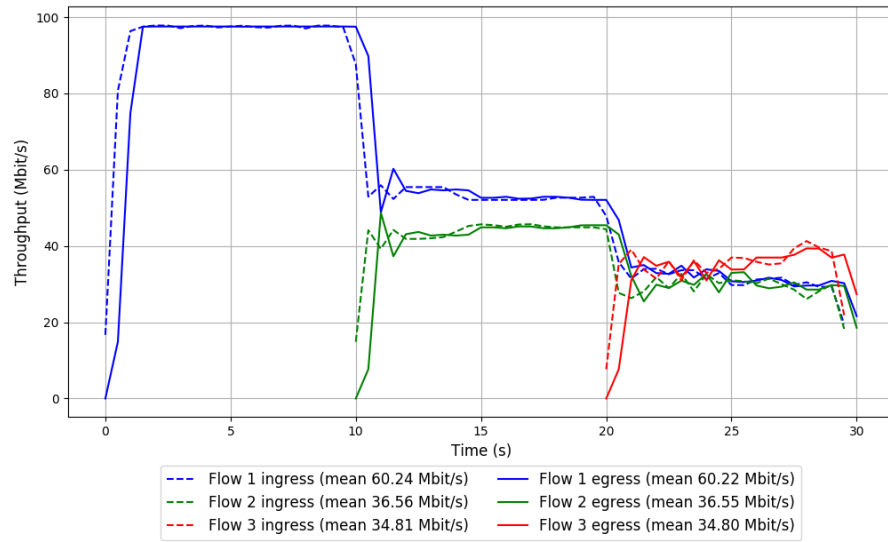


Run 1: Statistics of Indigo

Start at: 2018-08-22 02:37:41
End at: 2018-08-22 02:38:11
Local clock offset: -0.033 ms
Remote clock offset: -0.974 ms

Below is generated by plot.py at 2018-08-22 06:29:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 52.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.22 Mbit/s
95th percentile per-packet one-way delay: 48.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 55.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 53.860 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

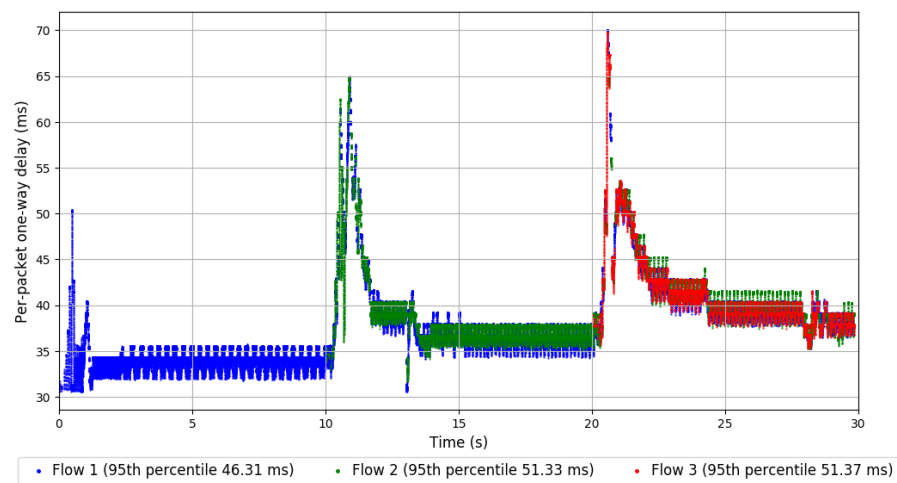
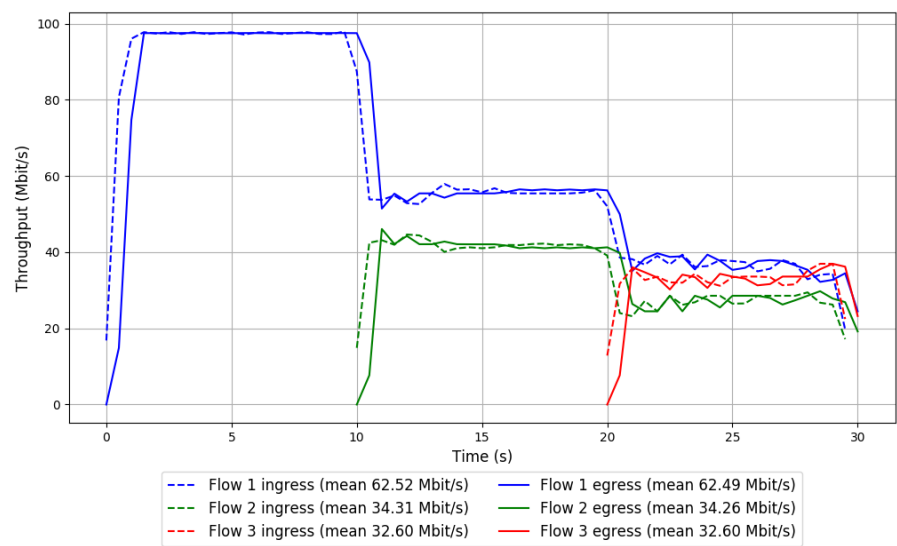


Run 2: Statistics of Indigo

Start at: 2018-08-22 03:00:40
End at: 2018-08-22 03:01:10
Local clock offset: 0.075 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-22 06:29:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 49.516 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 46.311 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 51.333 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 51.369 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-22 03:23:59

End at: 2018-08-22 03:24:29

Local clock offset: 0.461 ms

Remote clock offset: 1.502 ms

Below is generated by plot.py at 2018-08-22 06:29:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 51.477 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 63.86 Mbit/s

95th percentile per-packet one-way delay: 44.113 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 53.313 ms

Loss rate: 0.00%

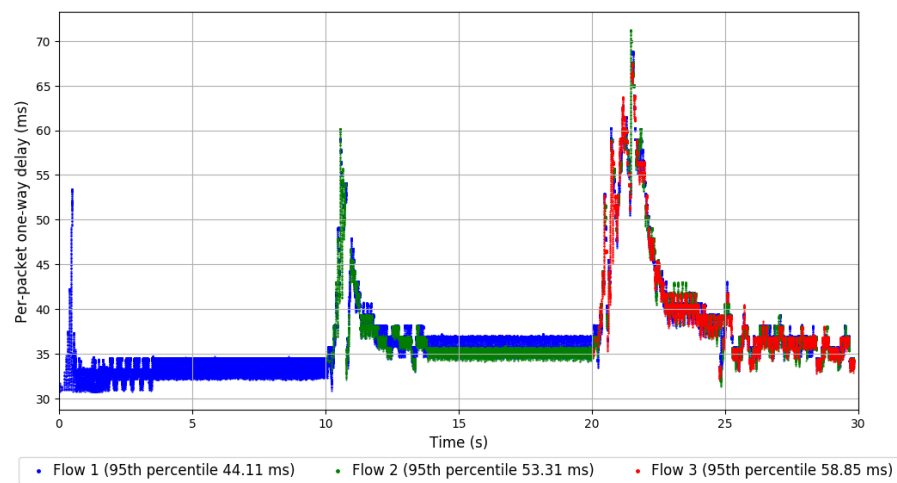
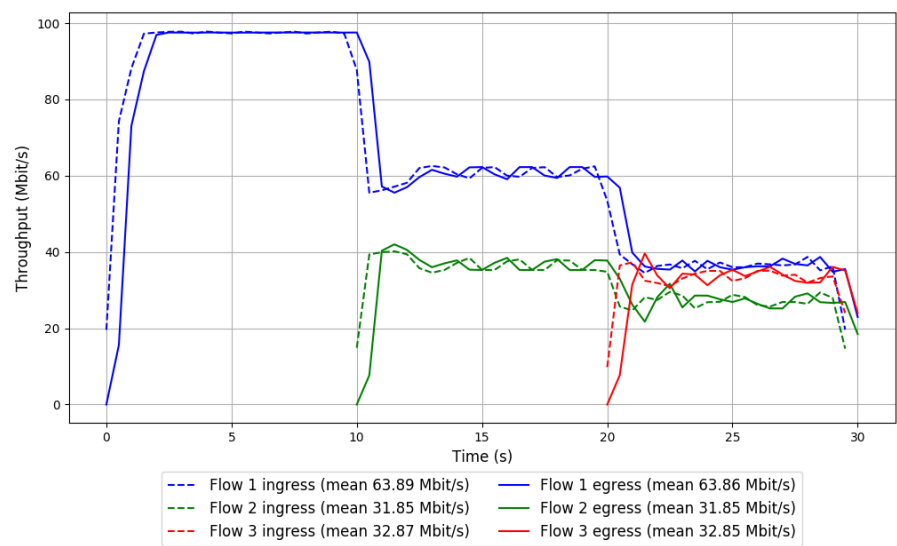
-- Flow 3:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 58.854 ms

Loss rate: 0.04%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-22 03:47:01

End at: 2018-08-22 03:47:31

Local clock offset: 1.127 ms

Remote clock offset: 1.847 ms

Below is generated by plot.py at 2018-08-22 06:29:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 46.474 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 65.39 Mbit/s

95th percentile per-packet one-way delay: 44.246 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 48.192 ms

Loss rate: 0.72%

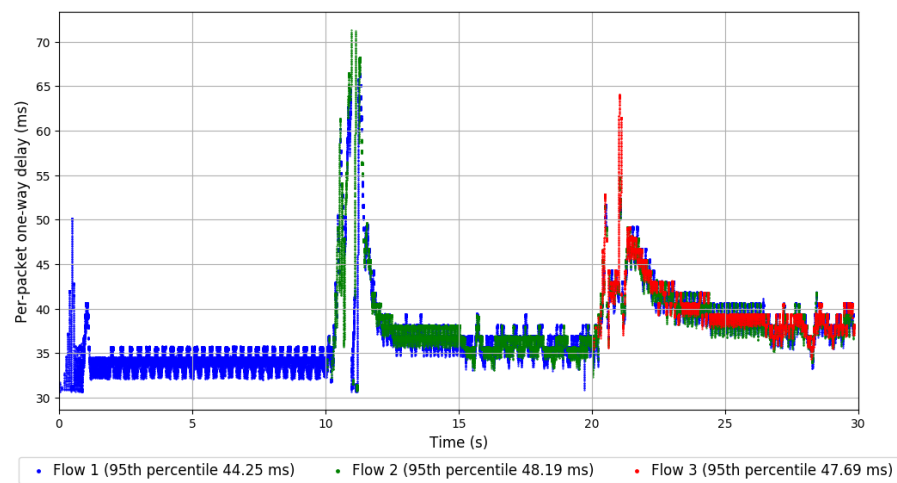
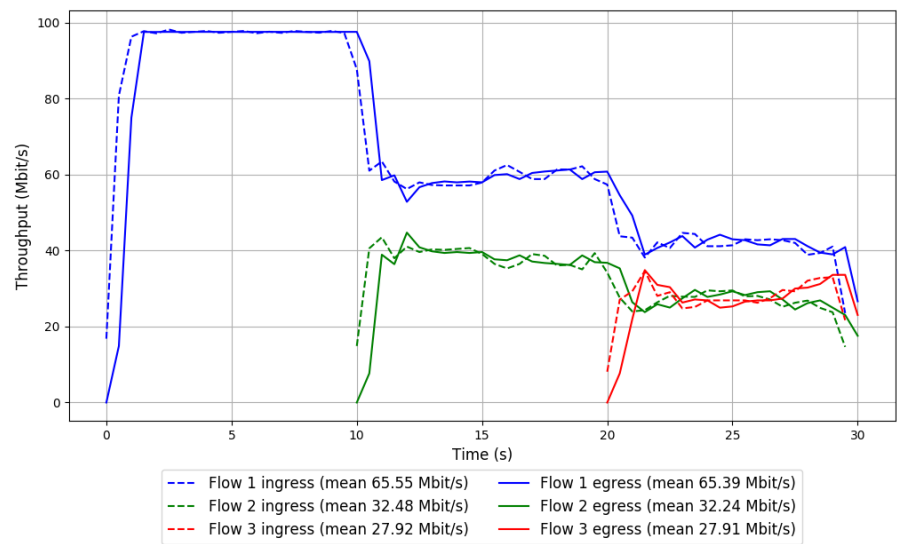
-- Flow 3:

Average throughput: 27.91 Mbit/s

95th percentile per-packet one-way delay: 47.693 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-22 04:10:00

End at: 2018-08-22 04:10:30

Local clock offset: 1.158 ms

Remote clock offset: 1.992 ms

Below is generated by plot.py at 2018-08-22 06:30:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 45.081 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 64.33 Mbit/s

95th percentile per-packet one-way delay: 44.017 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.45 Mbit/s

95th percentile per-packet one-way delay: 45.770 ms

Loss rate: 0.00%

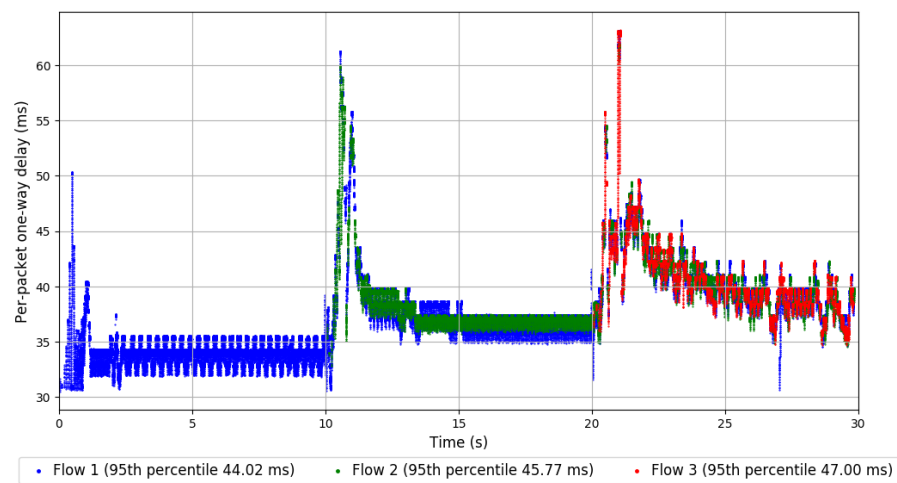
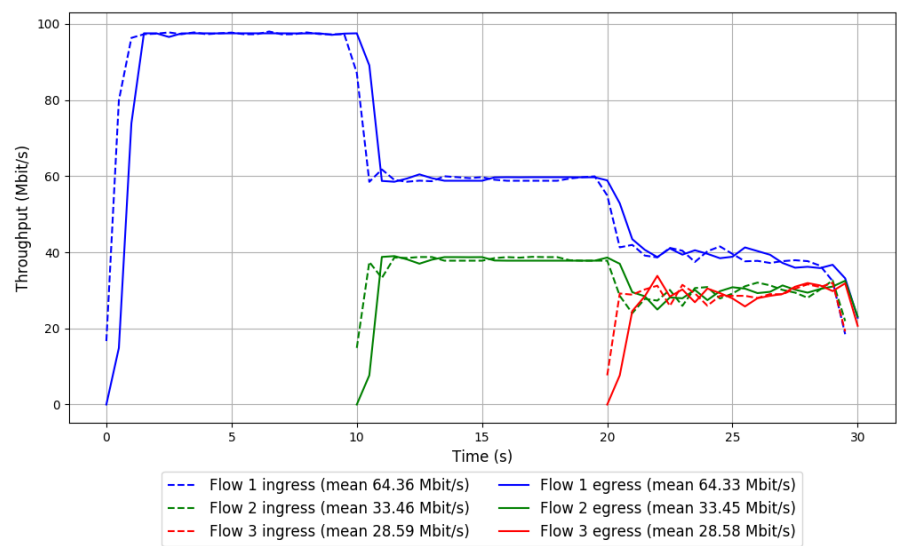
-- Flow 3:

Average throughput: 28.58 Mbit/s

95th percentile per-packet one-way delay: 46.997 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-22 04:33:01

End at: 2018-08-22 04:33:31

Local clock offset: 0.079 ms

Remote clock offset: 1.92 ms

Below is generated by plot.py at 2018-08-22 06:30:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 50.056 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.24 Mbit/s

95th percentile per-packet one-way delay: 45.693 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 52.398 ms

Loss rate: 0.00%

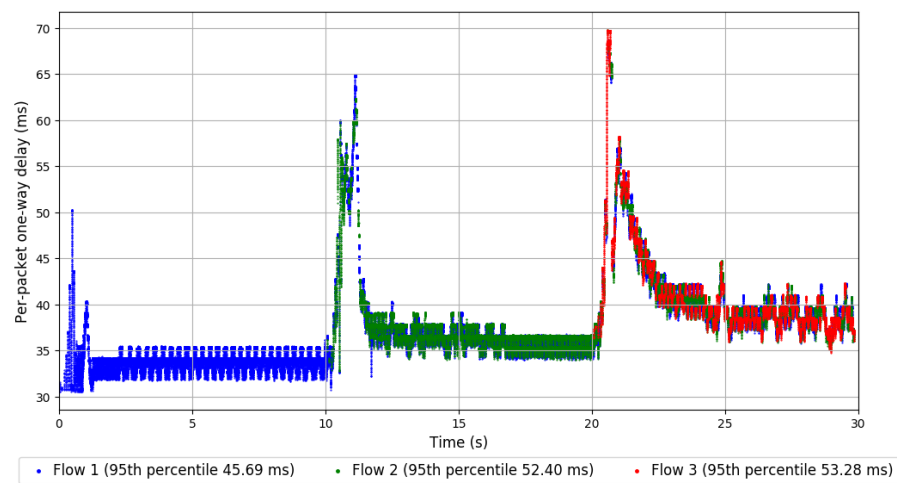
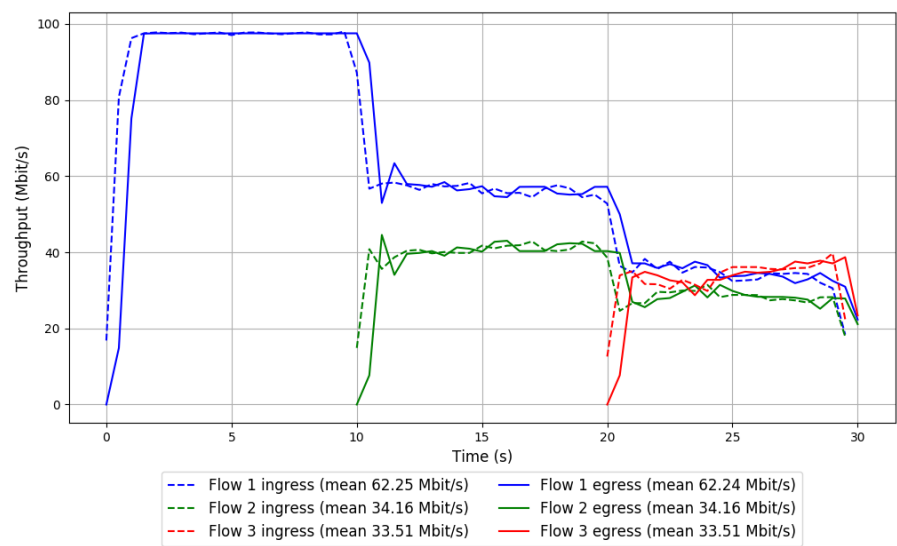
-- Flow 3:

Average throughput: 33.51 Mbit/s

95th percentile per-packet one-way delay: 53.276 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

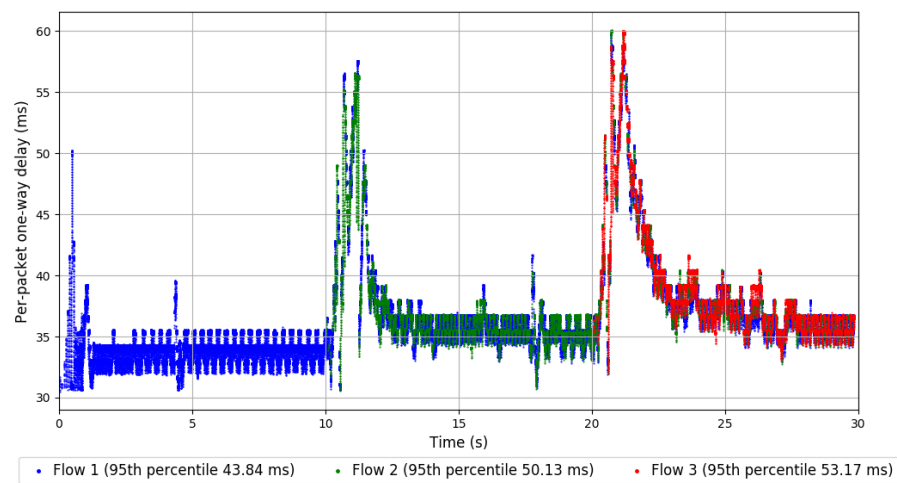
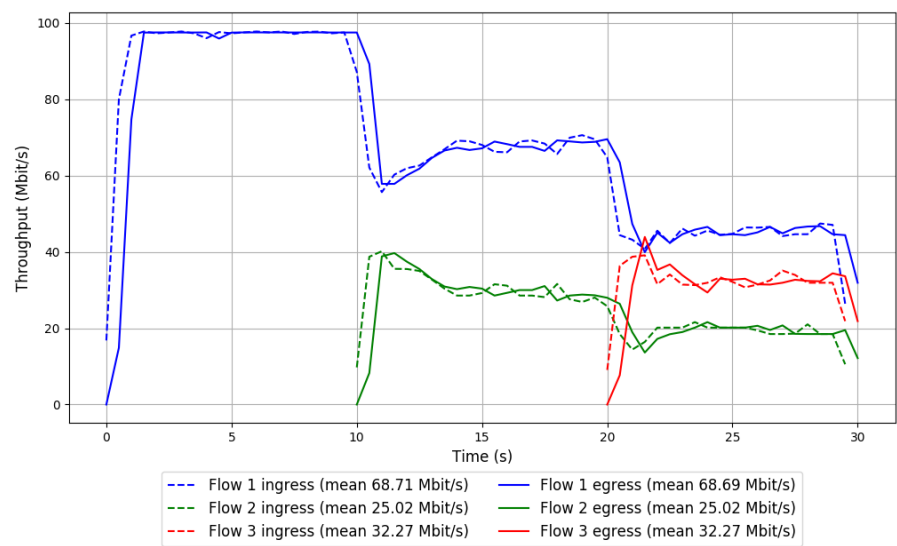


Run 7: Statistics of Indigo

Start at: 2018-08-22 04:56:05
End at: 2018-08-22 04:56:35
Local clock offset: 0.168 ms
Remote clock offset: 2.209 ms

```
# Below is generated by plot.py at 2018-08-22 06:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 47.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.69 Mbit/s
95th percentile per-packet one-way delay: 43.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 50.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 53.167 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

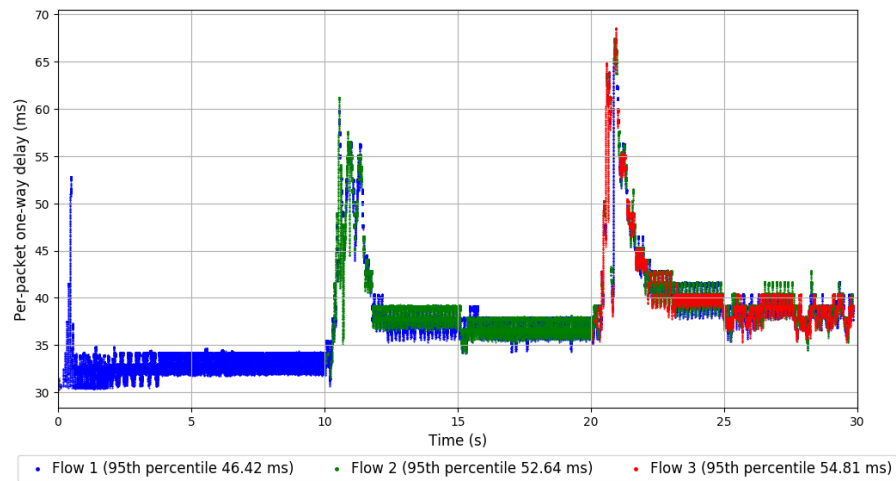
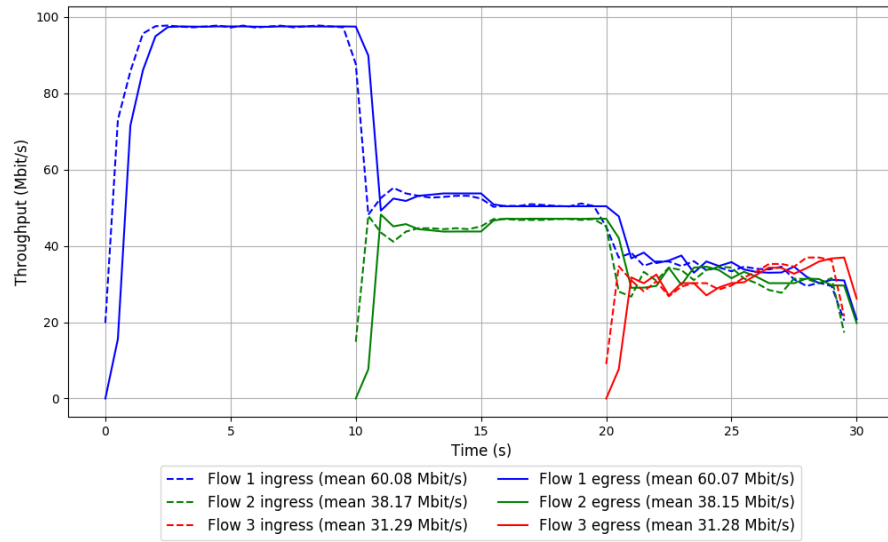


Run 8: Statistics of Indigo

Start at: 2018-08-22 05:19:11
End at: 2018-08-22 05:19:41
Local clock offset: 0.393 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-22 06:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 49.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.07 Mbit/s
95th percentile per-packet one-way delay: 46.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 52.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 54.815 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

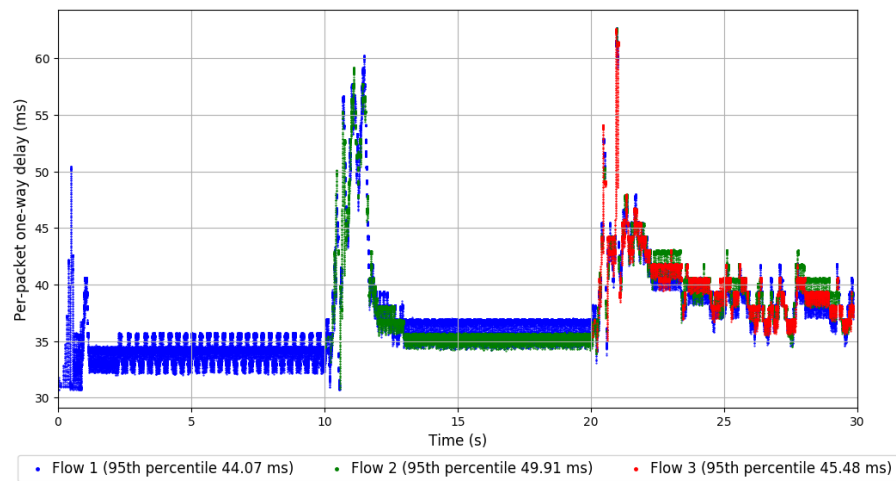
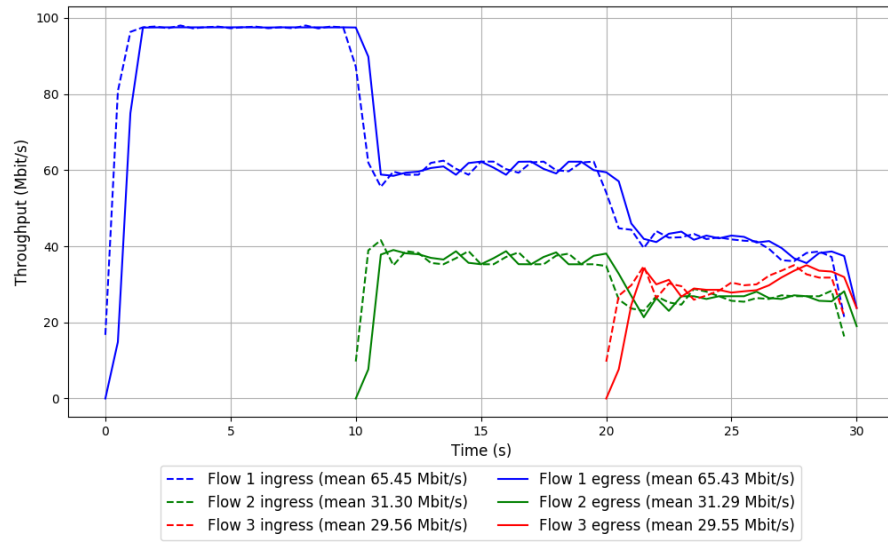


Run 9: Statistics of Indigo

Start at: 2018-08-22 05:42:06
End at: 2018-08-22 05:42:36
Local clock offset: 0.343 ms
Remote clock offset: -2.211 ms

Below is generated by plot.py at 2018-08-22 06:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 45.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 44.068 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 49.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 45.482 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

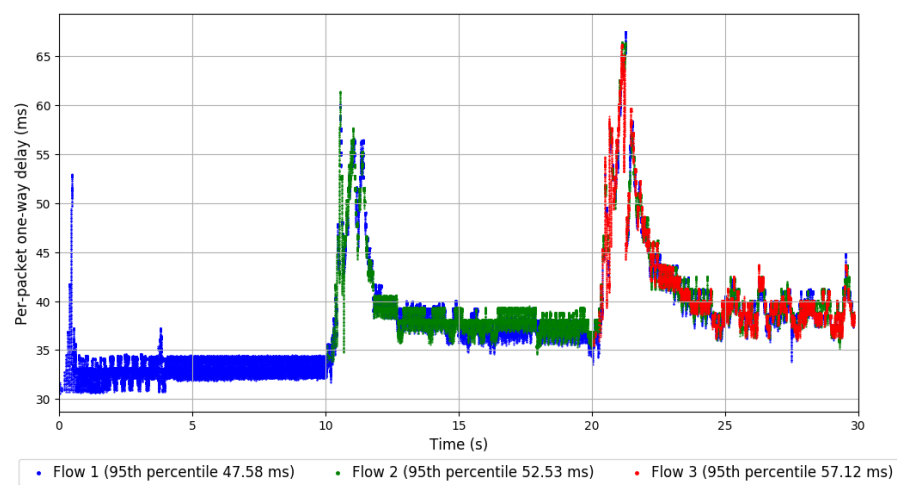
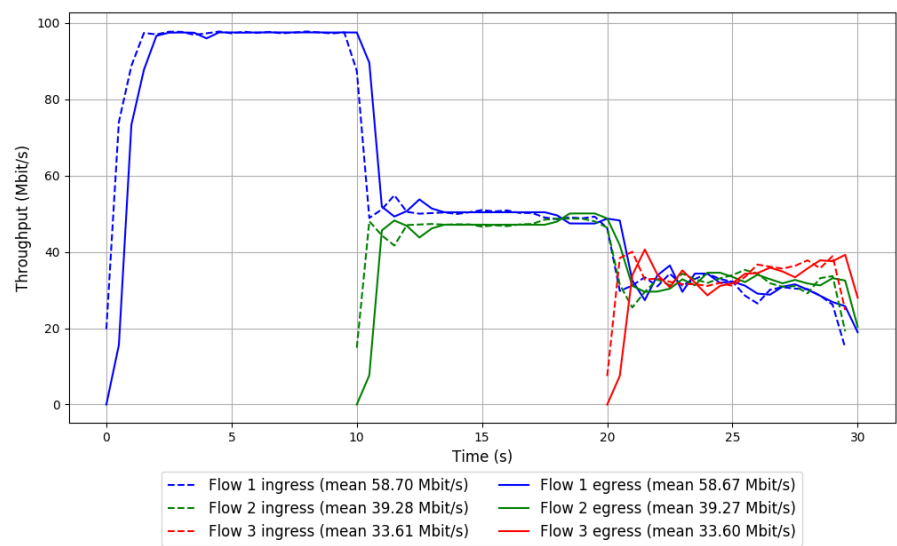


Run 10: Statistics of Indigo

Start at: 2018-08-22 06:04:56
End at: 2018-08-22 06:05:26
Local clock offset: 0.112 ms
Remote clock offset: -1.089 ms

Below is generated by plot.py at 2018-08-22 06:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 47.578 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 52.526 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 57.115 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

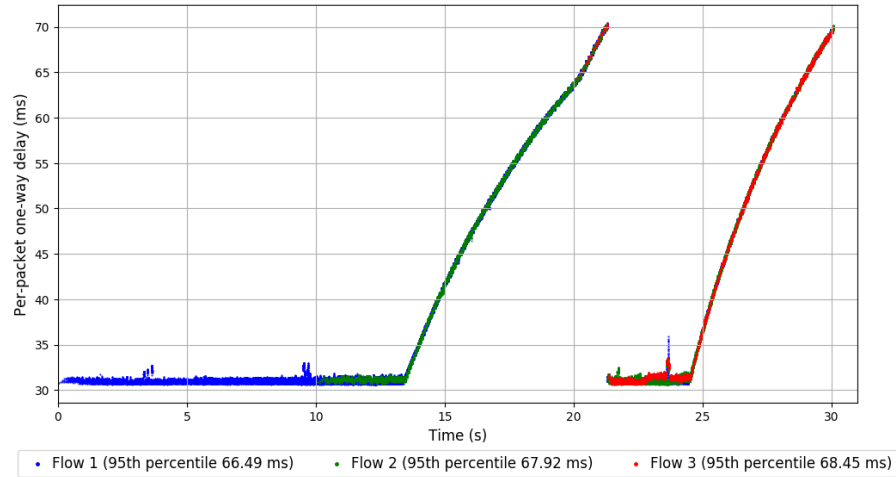
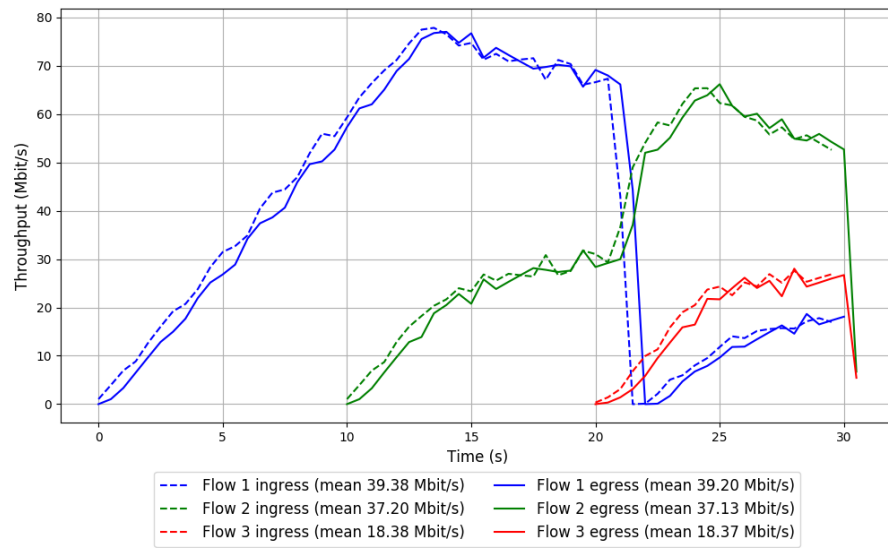


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-22 02:43:00
End at: 2018-08-22 02:43:30
Local clock offset: 0.114 ms
Remote clock offset: -0.985 ms

# Below is generated by plot.py at 2018-08-22 06:31:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.96 Mbit/s
95th percentile per-packet one-way delay: 67.282 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 66.492 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 67.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-22 03:05:59

End at: 2018-08-22 03:06:29

Local clock offset: 0.074 ms

Remote clock offset: 0.371 ms

Below is generated by plot.py at 2018-08-22 06:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 65.213 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 65.040 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 20.26 Mbit/s

95th percentile per-packet one-way delay: 66.508 ms

Loss rate: 0.16%

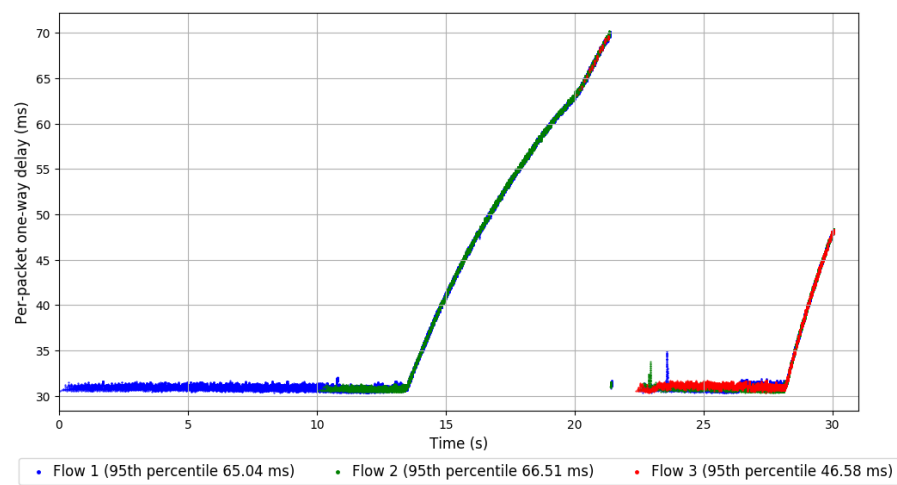
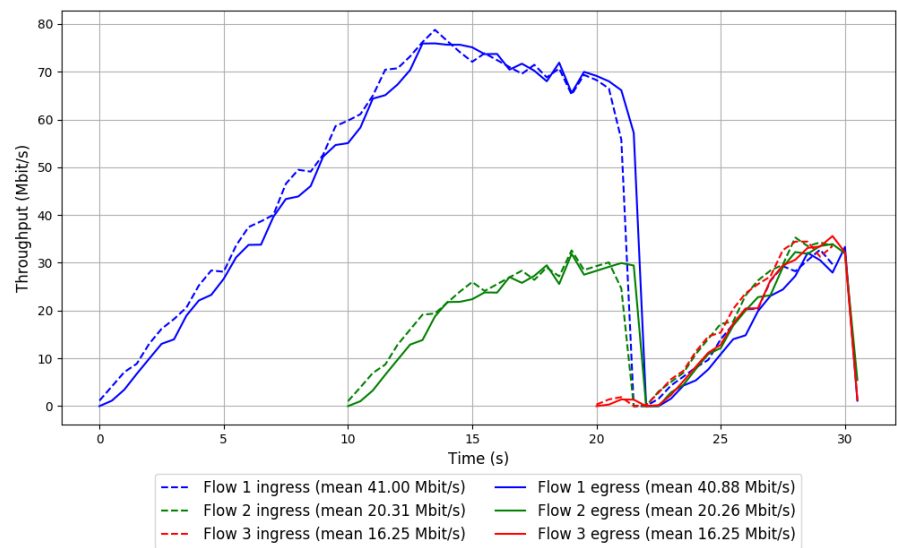
-- Flow 3:

Average throughput: 16.25 Mbit/s

95th percentile per-packet one-way delay: 46.581 ms

Loss rate: 0.17%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-22 03:29:20

End at: 2018-08-22 03:29:50

Local clock offset: 0.667 ms

Remote clock offset: 1.568 ms

Below is generated by plot.py at 2018-08-22 06:31:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 65.306 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 65.488 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 66.814 ms

Loss rate: 0.39%

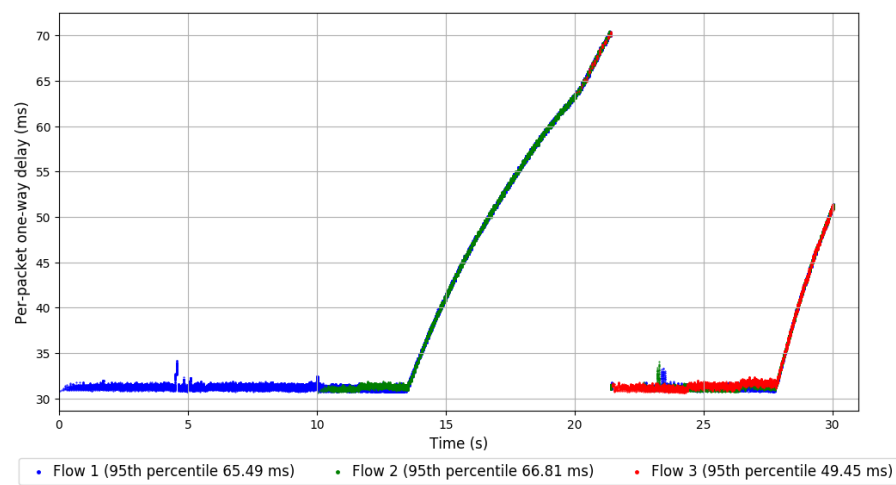
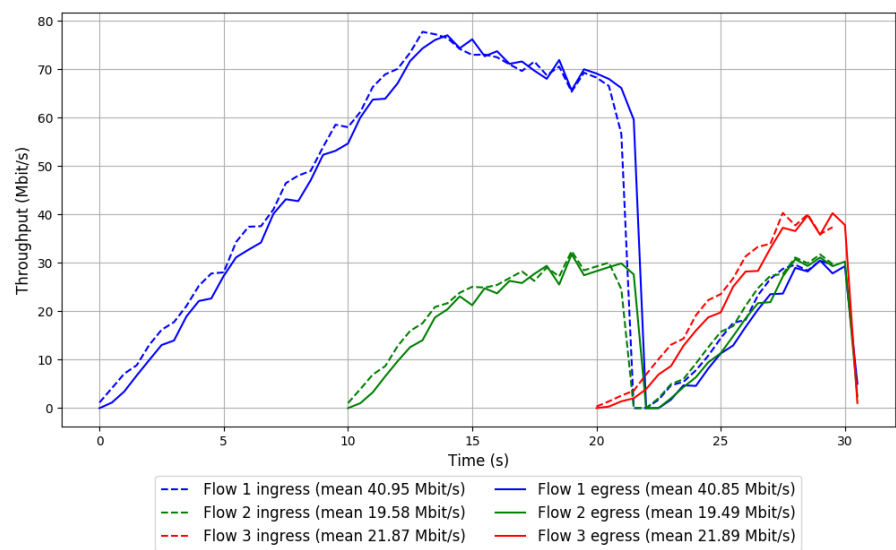
-- Flow 3:

Average throughput: 21.89 Mbit/s

95th percentile per-packet one-way delay: 49.446 ms

Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-22 03:52:23

End at: 2018-08-22 03:52:53

Local clock offset: 1.255 ms

Remote clock offset: 1.885 ms

Below is generated by plot.py at 2018-08-22 06:31:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.49 Mbit/s

95th percentile per-packet one-way delay: 65.378 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 65.587 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 66.843 ms

Loss rate: 0.79%

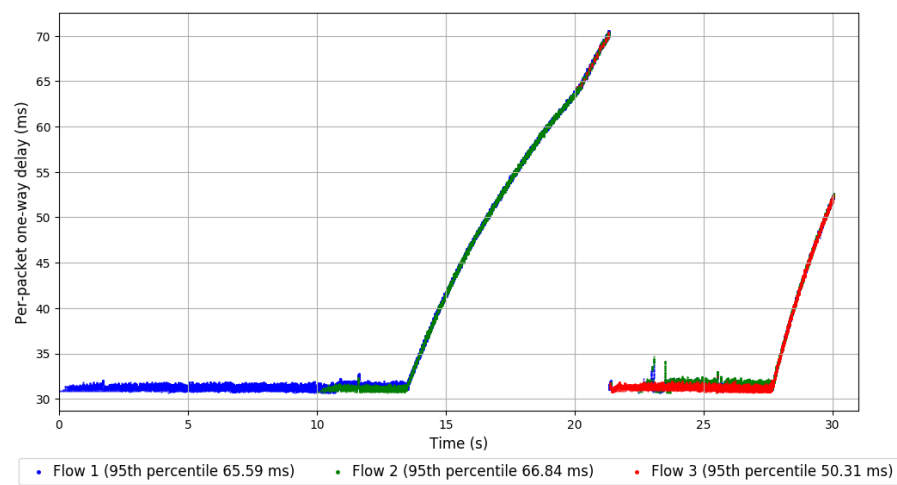
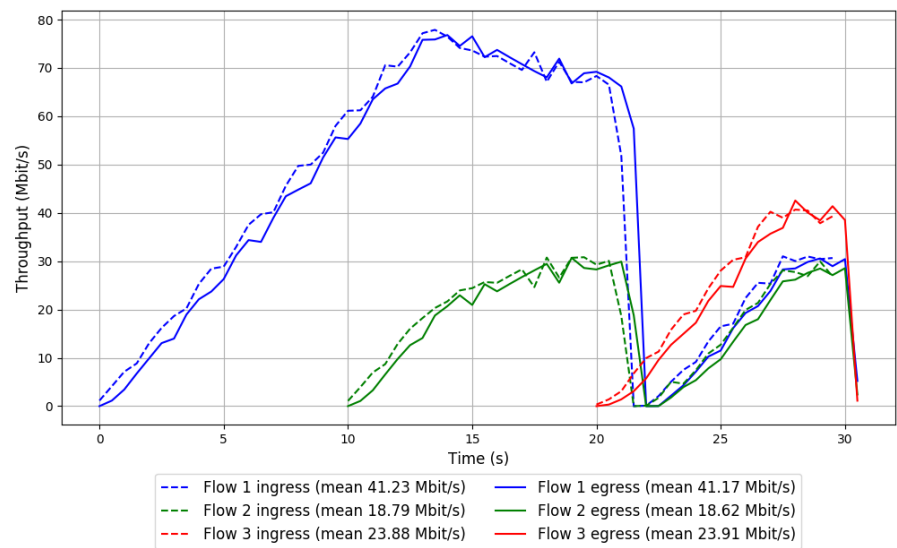
-- Flow 3:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 50.312 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-22 04:15:18

End at: 2018-08-22 04:15:48

Local clock offset: 0.655 ms

Remote clock offset: 2.081 ms

Below is generated by plot.py at 2018-08-22 06:31:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.09 Mbit/s

95th percentile per-packet one-way delay: 65.263 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 41.12 Mbit/s

95th percentile per-packet one-way delay: 65.279 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 19.11 Mbit/s

95th percentile per-packet one-way delay: 66.797 ms

Loss rate: 0.71%

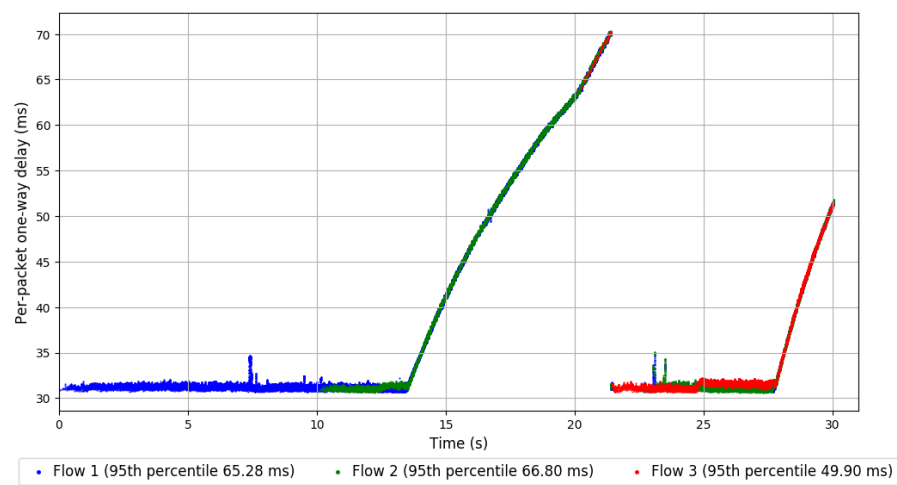
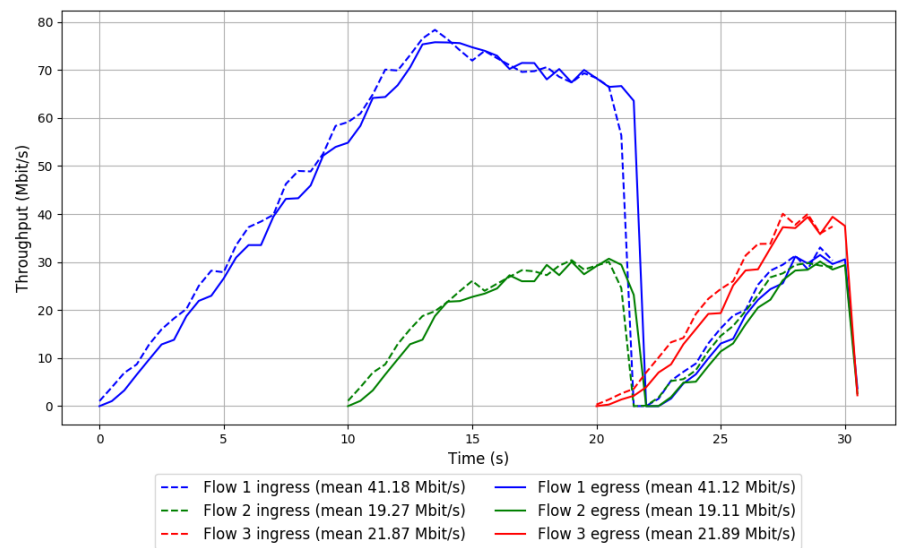
-- Flow 3:

Average throughput: 21.89 Mbit/s

95th percentile per-packet one-way delay: 49.896 ms

Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-22 04:38:25

End at: 2018-08-22 04:38:55

Local clock offset: 0.146 ms

Remote clock offset: 2.107 ms

Below is generated by plot.py at 2018-08-22 06:31:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.84 Mbit/s

95th percentile per-packet one-way delay: 65.710 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 39.52 Mbit/s

95th percentile per-packet one-way delay: 65.741 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 37.97 Mbit/s

95th percentile per-packet one-way delay: 65.686 ms

Loss rate: 0.00%

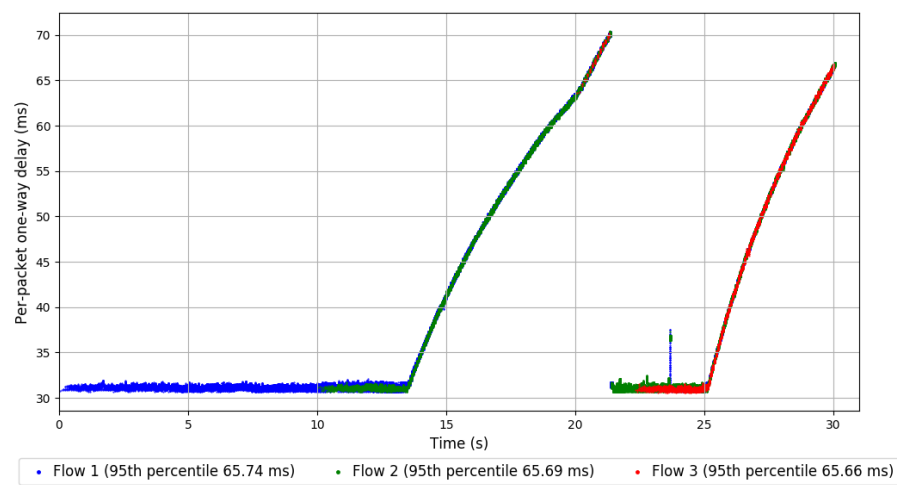
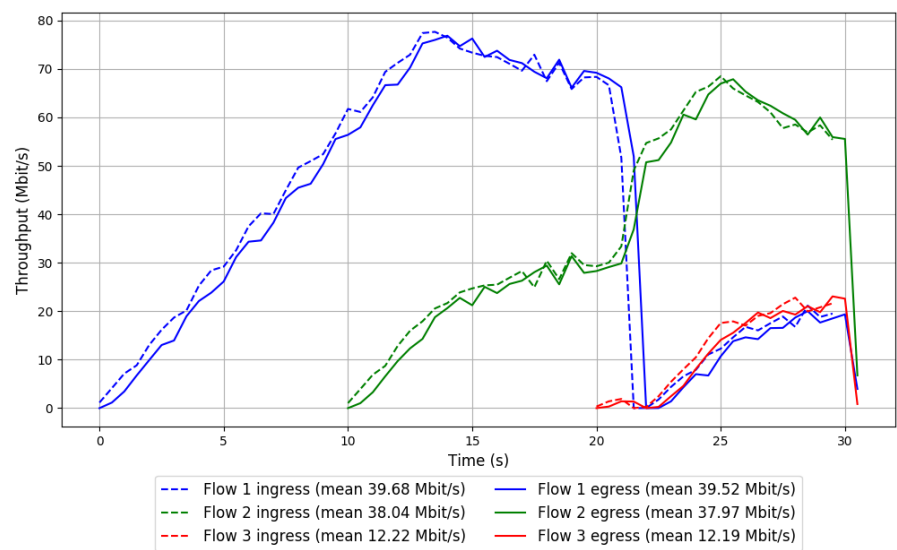
-- Flow 3:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 65.660 ms

Loss rate: 0.22%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-22 05:01:21

End at: 2018-08-22 05:01:51

Local clock offset: 0.175 ms

Remote clock offset: 2.358 ms

Below is generated by plot.py at 2018-08-22 06:31:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 65.304 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 65.320 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 19.41 Mbit/s

95th percentile per-packet one-way delay: 66.846 ms

Loss rate: 0.36%

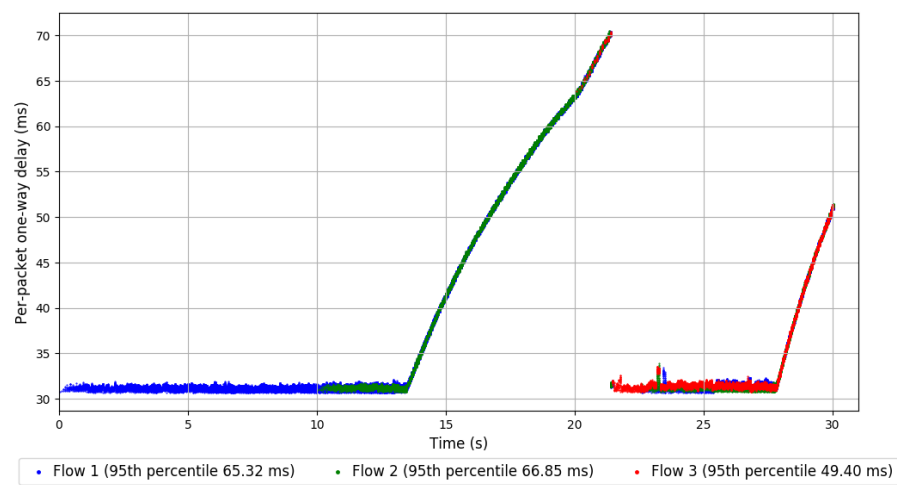
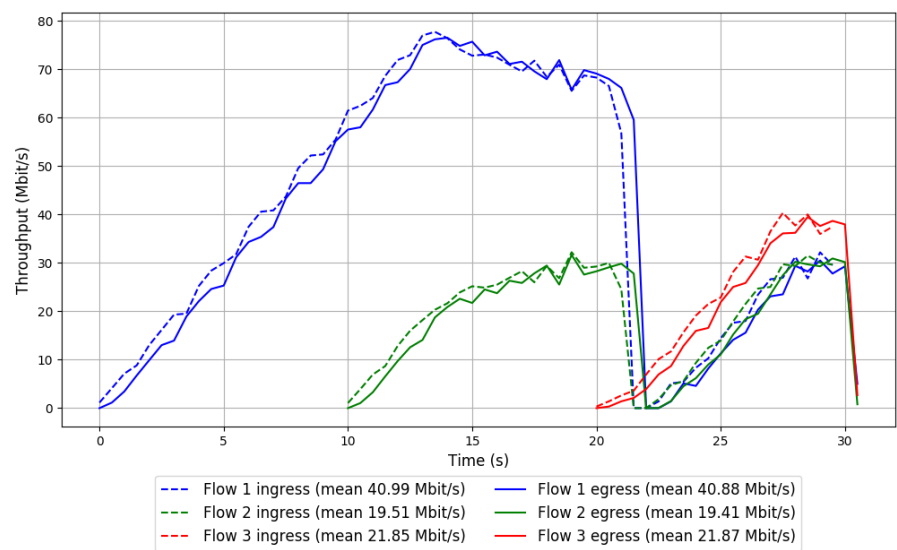
-- Flow 3:

Average throughput: 21.87 Mbit/s

95th percentile per-packet one-way delay: 49.403 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-22 05:24:29

End at: 2018-08-22 05:24:59

Local clock offset: 0.337 ms

Remote clock offset: -0.8 ms

Below is generated by plot.py at 2018-08-22 06:31:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 66.390 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 30.55 Mbit/s

95th percentile per-packet one-way delay: 62.939 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 34.12 Mbit/s

95th percentile per-packet one-way delay: 67.448 ms

Loss rate: 0.10%

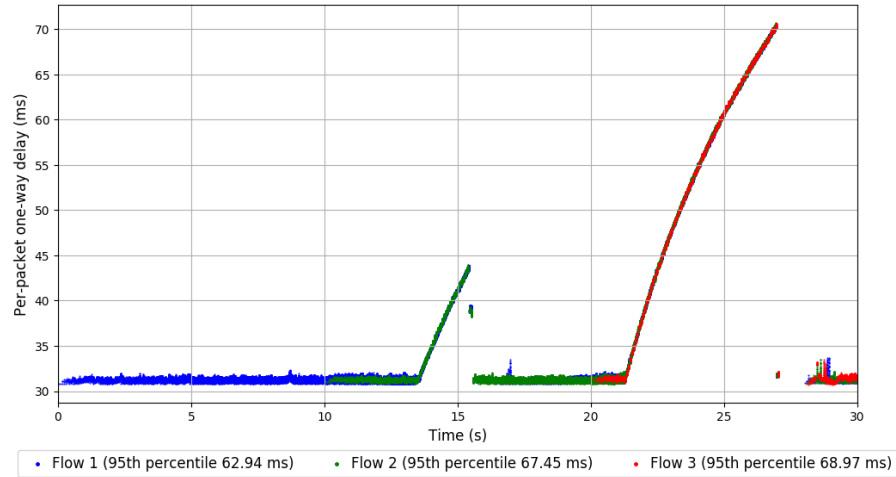
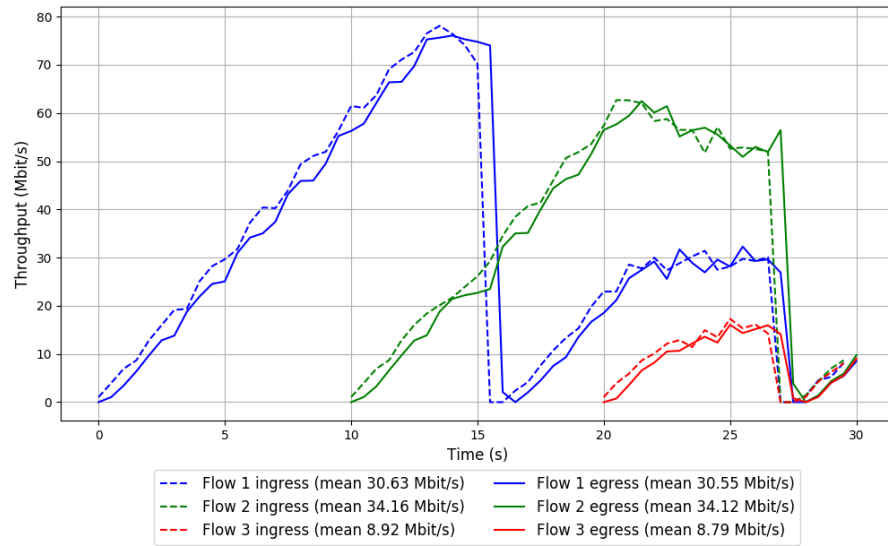
-- Flow 3:

Average throughput: 8.79 Mbit/s

95th percentile per-packet one-way delay: 68.970 ms

Loss rate: 1.47%

Run 8: Report of LEDBAT — Data Link

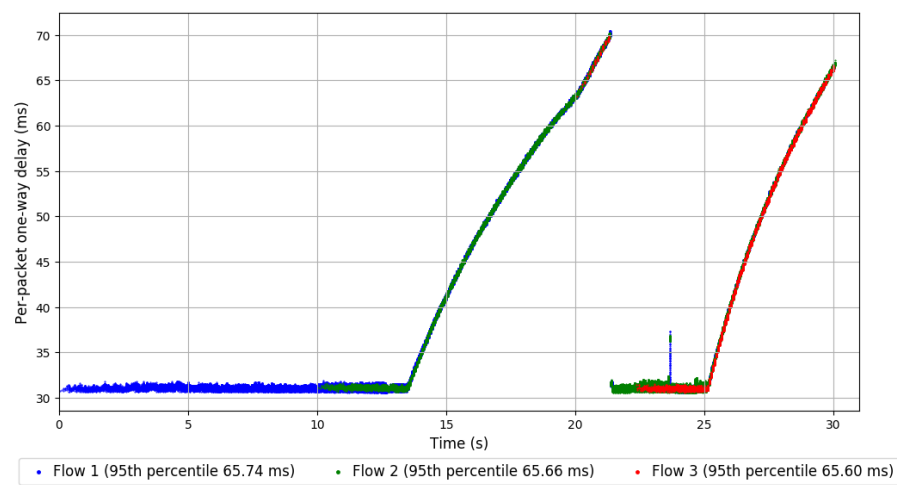
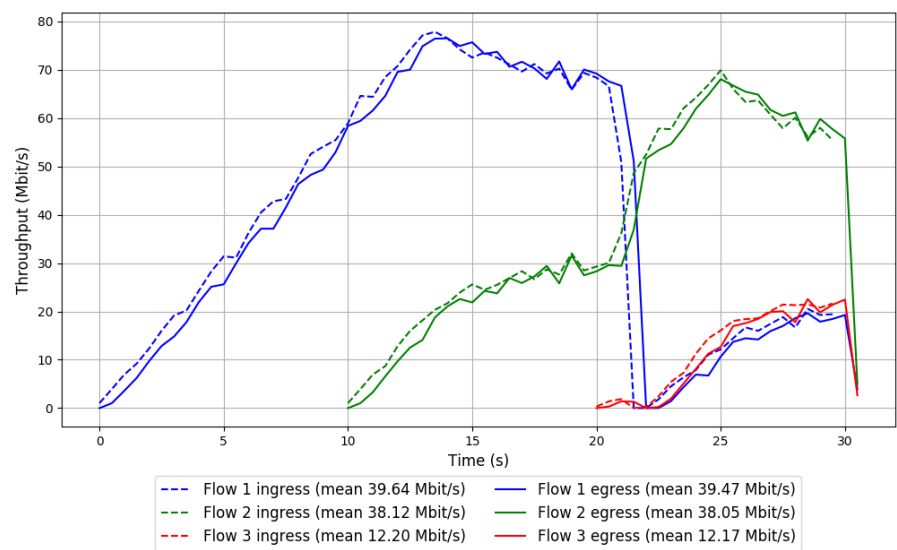


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 05:47:23
End at: 2018-08-22 05:47:53
Local clock offset: 0.245 ms
Remote clock offset: -2.245 ms

Below is generated by plot.py at 2018-08-22 06:31:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 65.702 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 65.740 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 65.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 65.603 ms
Loss rate: 0.22%

Run 9: Report of LEDBAT — Data Link

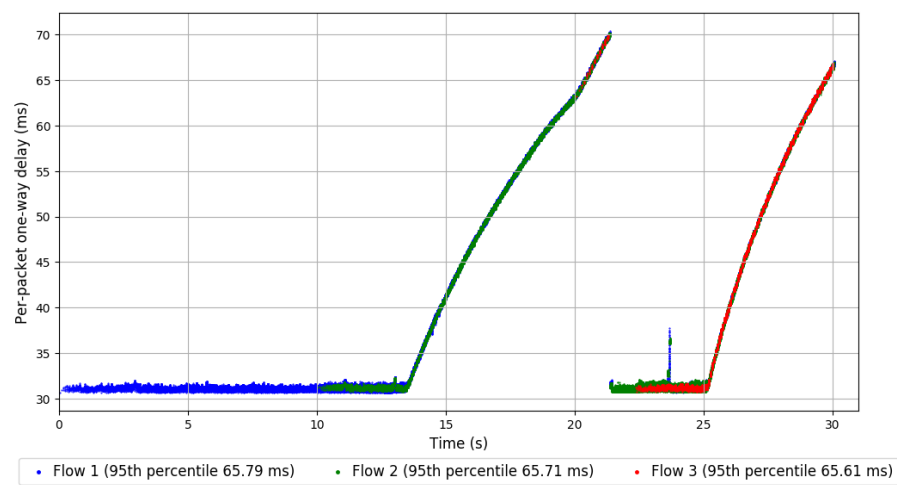
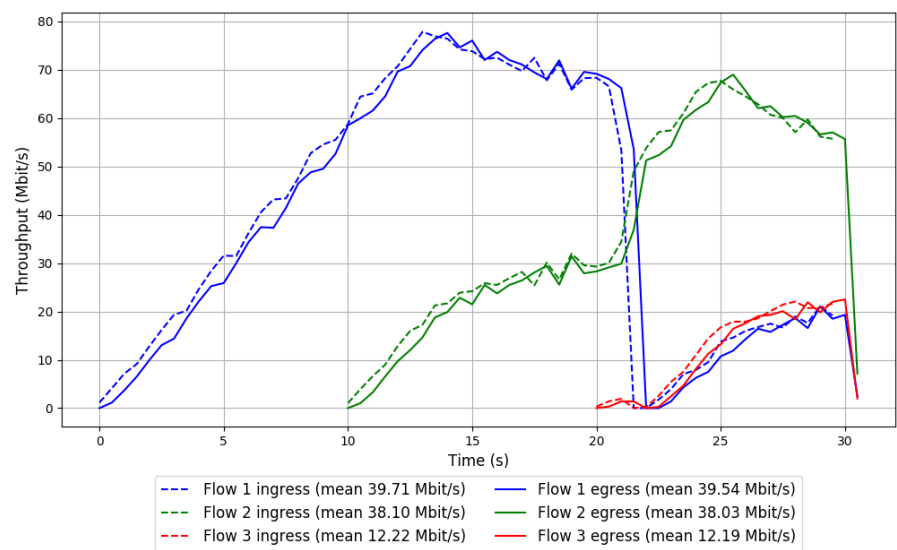


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 06:10:15
End at: 2018-08-22 06:10:45
Local clock offset: 0.127 ms
Remote clock offset: -1.088 ms

Below is generated by plot.py at 2018-08-22 06:32:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 65.732 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 65.793 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 65.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 65.614 ms
Loss rate: 0.22%

Run 10: Report of LEDBAT — Data Link

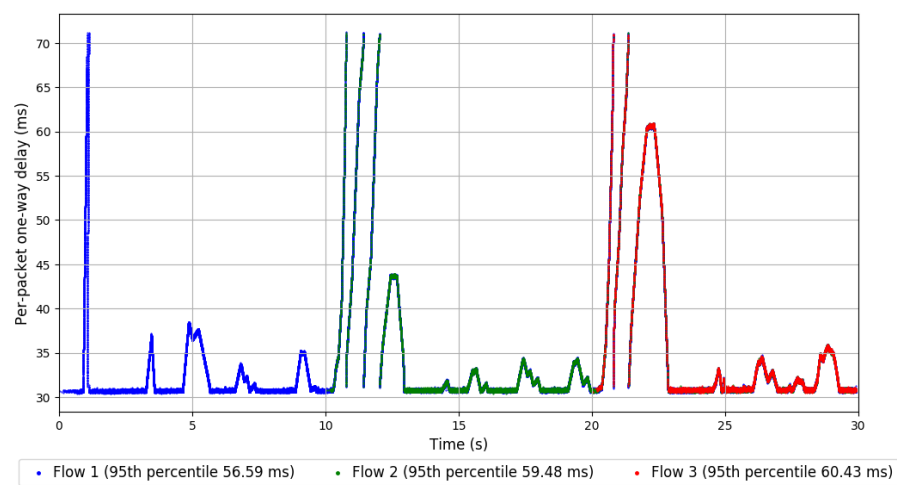
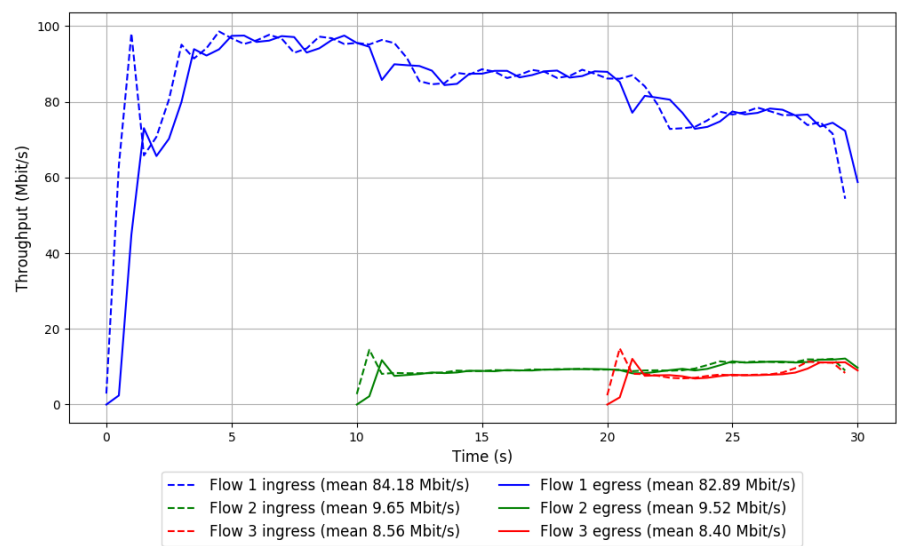


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 02:36:21
End at: 2018-08-22 02:36:51
Local clock offset: 0.071 ms
Remote clock offset: -1.106 ms

# Below is generated by plot.py at 2018-08-22 06:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 57.156 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 56.587 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 59.478 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 60.432 ms
Loss rate: 1.92%
```

Run 1: Report of PCC-Allegro — Data Link

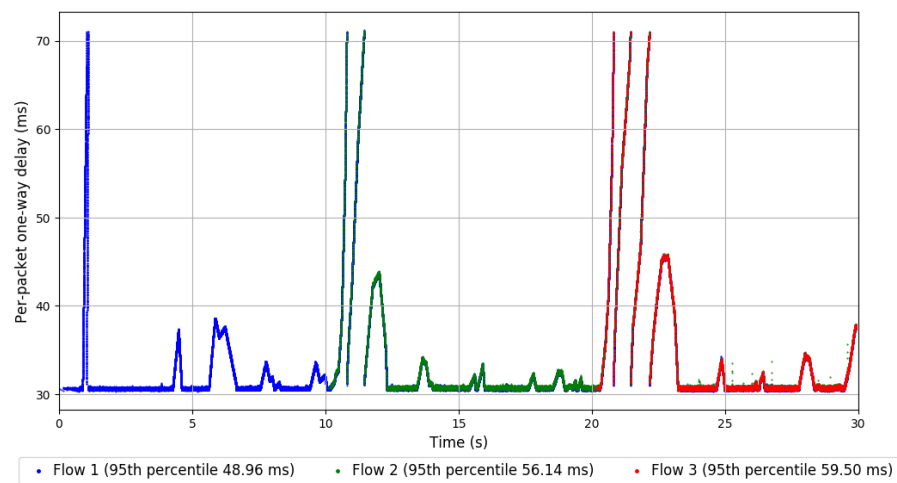
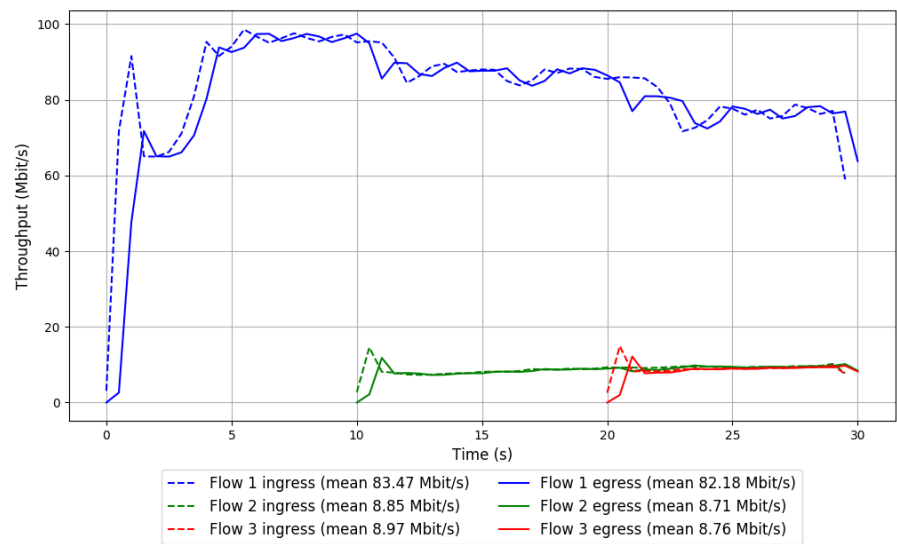


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 02:59:20
End at: 2018-08-22 02:59:50
Local clock offset: -0.0 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-08-22 06:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 50.209 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 82.18 Mbit/s
95th percentile per-packet one-way delay: 48.957 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 56.137 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 59.502 ms
Loss rate: 2.21%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 03:22:39

End at: 2018-08-22 03:23:09

Local clock offset: 0.361 ms

Remote clock offset: 1.613 ms

Below is generated by plot.py at 2018-08-22 06:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 58.206 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 81.92 Mbit/s

95th percentile per-packet one-way delay: 58.082 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 11.39 Mbit/s

95th percentile per-packet one-way delay: 59.846 ms

Loss rate: 1.10%

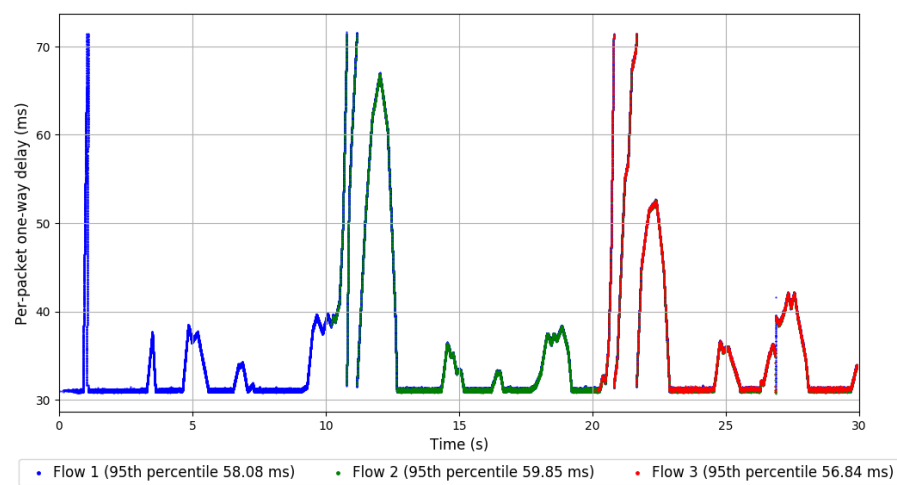
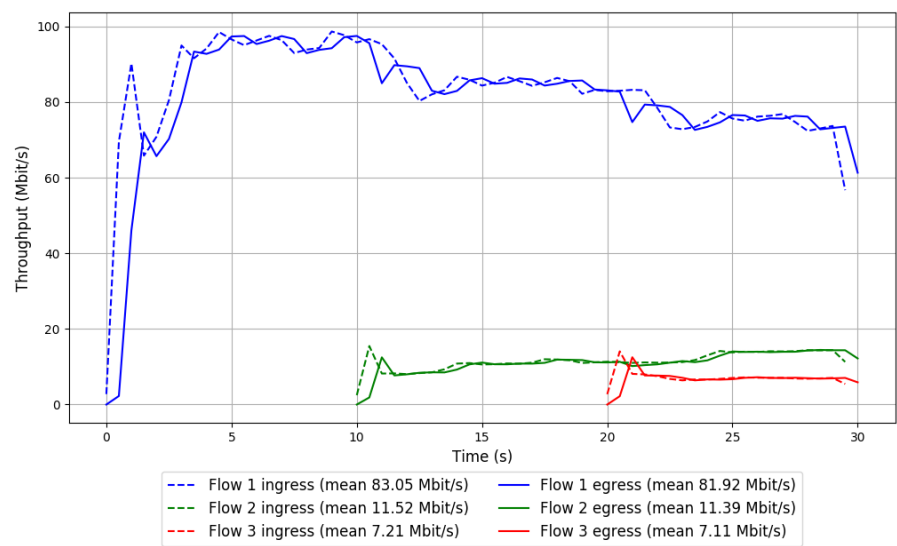
-- Flow 3:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 56.837 ms

Loss rate: 1.45%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 03:45:41

End at: 2018-08-22 03:46:11

Local clock offset: 1.106 ms

Remote clock offset: 1.661 ms

Below is generated by plot.py at 2018-08-22 06:33:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 68.164 ms

Loss rate: 15.02%

-- Flow 1:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 68.010 ms

Loss rate: 14.45%

-- Flow 2:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 69.103 ms

Loss rate: 19.69%

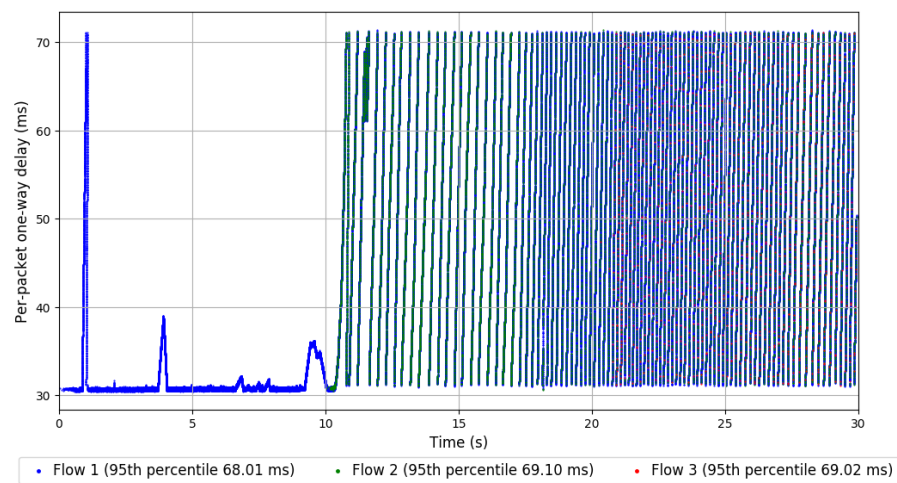
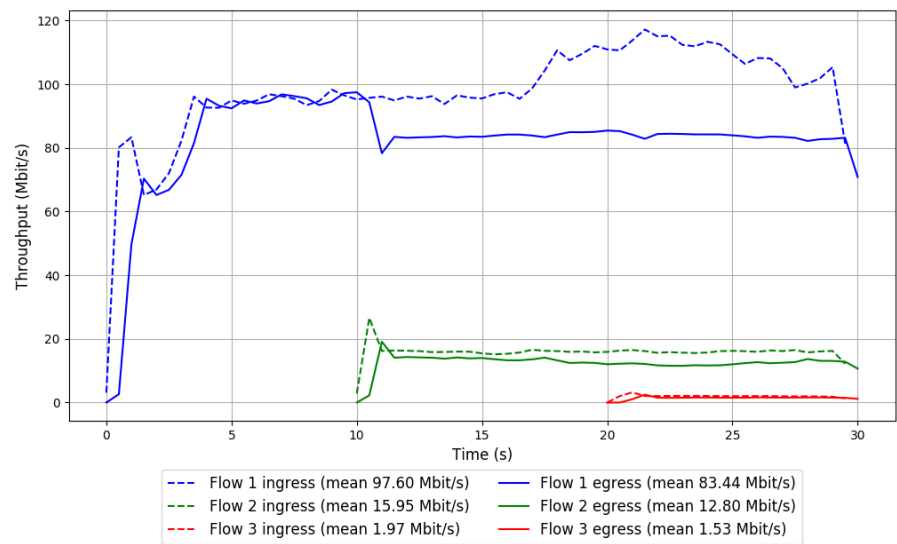
-- Flow 3:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 69.022 ms

Loss rate: 24.03%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 04:08:41

End at: 2018-08-22 04:09:11

Local clock offset: 1.215 ms

Remote clock offset: 1.841 ms

Below is generated by plot.py at 2018-08-22 06:33:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 67.674 ms

Loss rate: 8.17%

-- Flow 1:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 67.464 ms

Loss rate: 7.53%

-- Flow 2:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 68.636 ms

Loss rate: 10.27%

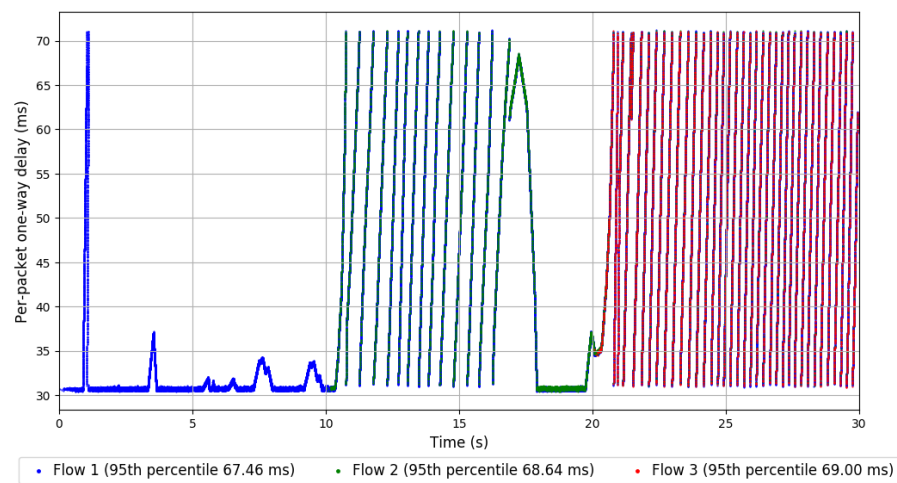
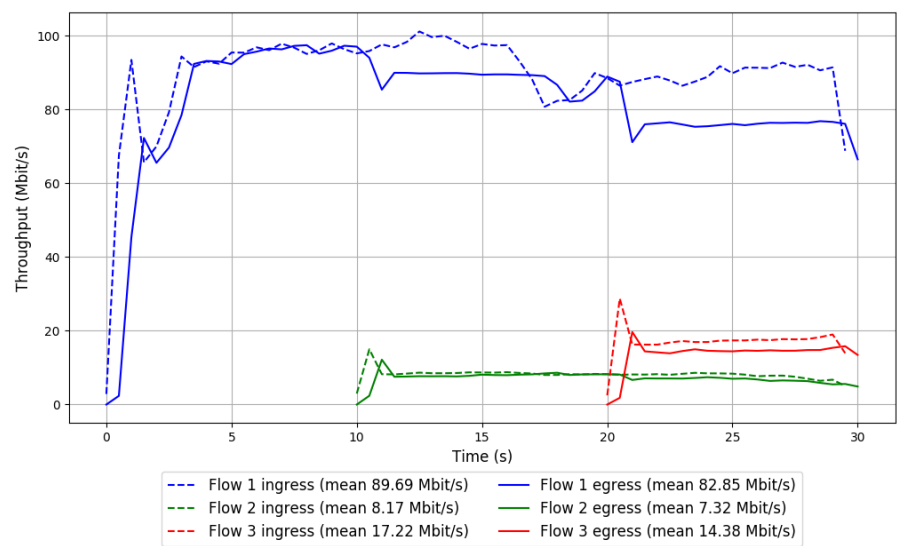
-- Flow 3:

Average throughput: 14.38 Mbit/s

95th percentile per-packet one-way delay: 69.005 ms

Loss rate: 16.26%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 04:31:38

End at: 2018-08-22 04:32:08

Local clock offset: 0.178 ms

Remote clock offset: 2.077 ms

Below is generated by plot.py at 2018-08-22 06:33:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 65.269 ms

Loss rate: 5.66%

-- Flow 1:

Average throughput: 81.79 Mbit/s

95th percentile per-packet one-way delay: 65.217 ms

Loss rate: 5.62%

-- Flow 2:

Average throughput: 11.83 Mbit/s

95th percentile per-packet one-way delay: 67.019 ms

Loss rate: 7.75%

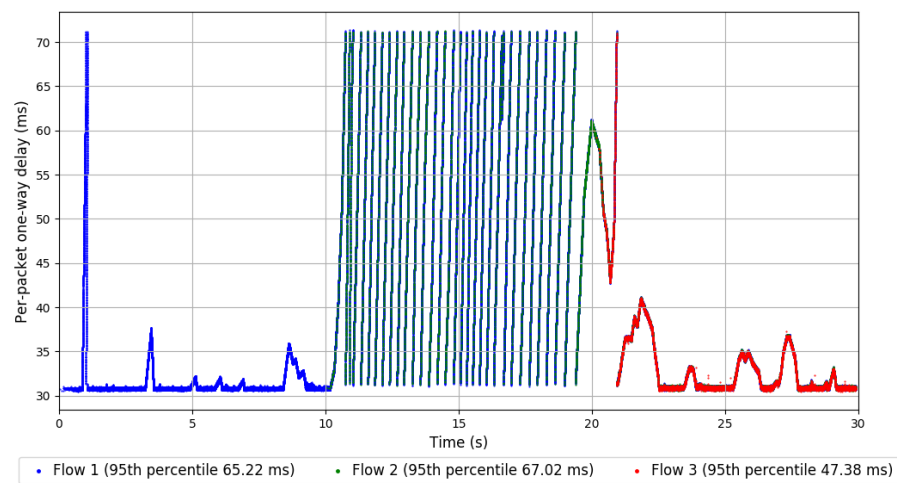
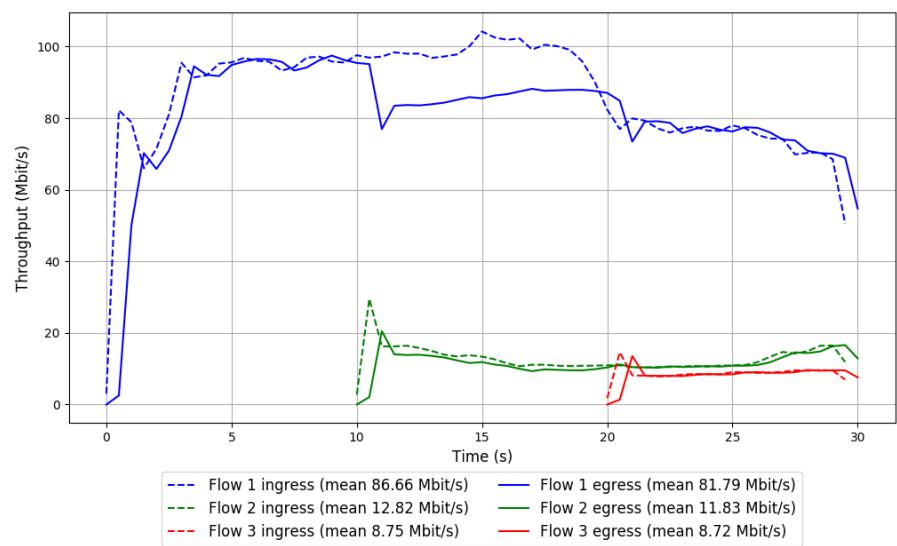
-- Flow 3:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 47.381 ms

Loss rate: 0.55%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 04:54:45

End at: 2018-08-22 04:55:15

Local clock offset: 0.187 ms

Remote clock offset: 2.209 ms

Below is generated by plot.py at 2018-08-22 06:33:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 66.426 ms

Loss rate: 4.51%

-- Flow 1:

Average throughput: 73.46 Mbit/s

95th percentile per-packet one-way delay: 66.047 ms

Loss rate: 4.10%

-- Flow 2:

Average throughput: 20.74 Mbit/s

95th percentile per-packet one-way delay: 67.351 ms

Loss rate: 5.13%

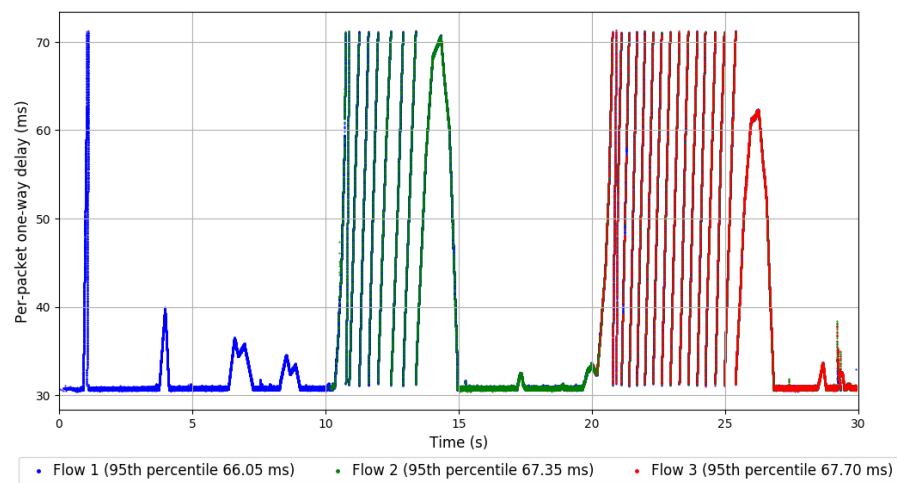
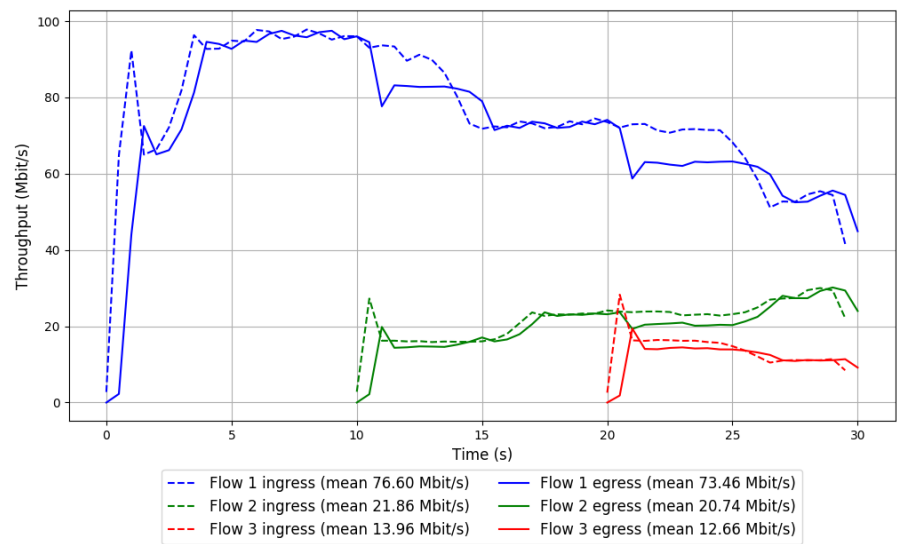
-- Flow 3:

Average throughput: 12.66 Mbit/s

95th percentile per-packet one-way delay: 67.699 ms

Loss rate: 9.35%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 05:17:51

End at: 2018-08-22 05:18:21

Local clock offset: 0.266 ms

Remote clock offset: 0.471 ms

Below is generated by plot.py at 2018-08-22 06:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 64.972 ms

Loss rate: 3.56%

-- Flow 1:

Average throughput: 80.19 Mbit/s

95th percentile per-packet one-way delay: 64.641 ms

Loss rate: 3.46%

-- Flow 2:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 67.034 ms

Loss rate: 4.74%

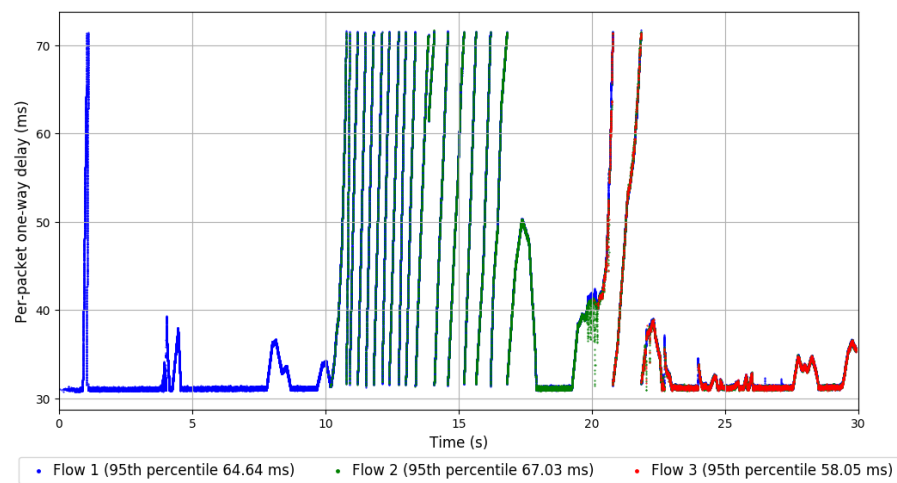
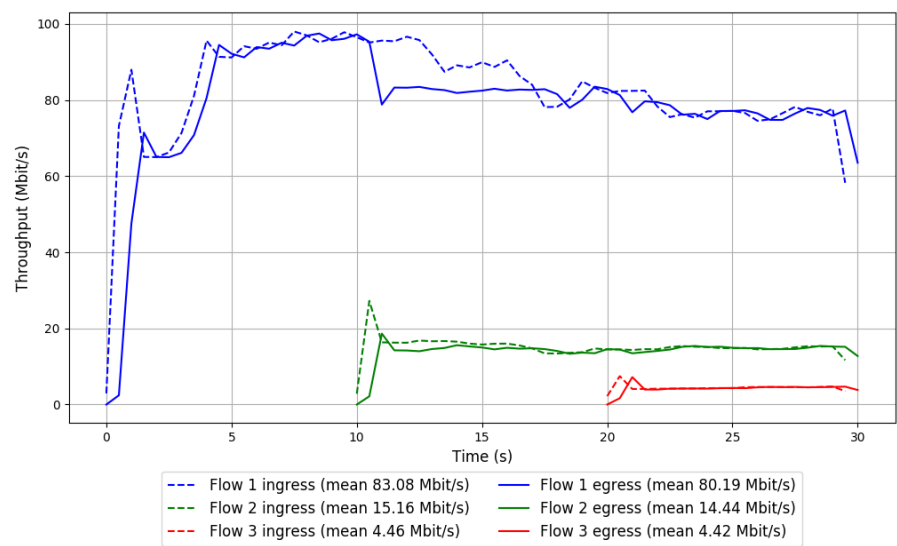
-- Flow 3:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 58.054 ms

Loss rate: 0.91%

Run 8: Report of PCC-Allegro — Data Link

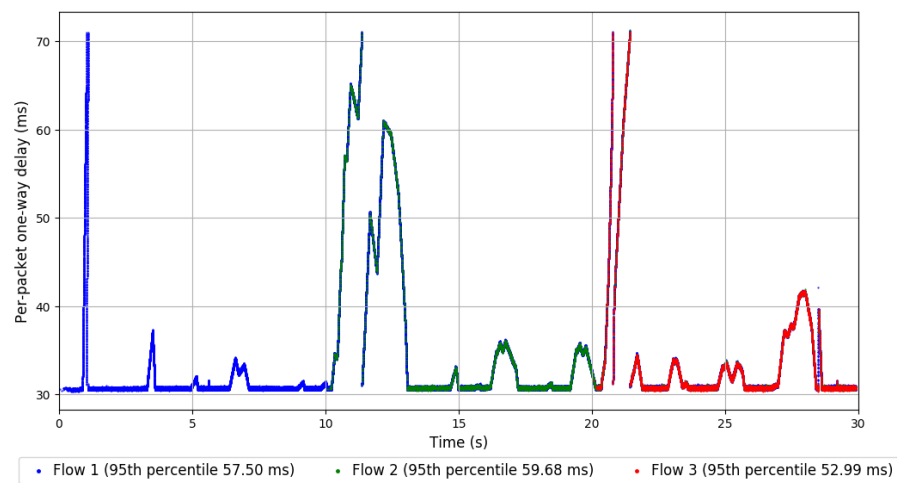
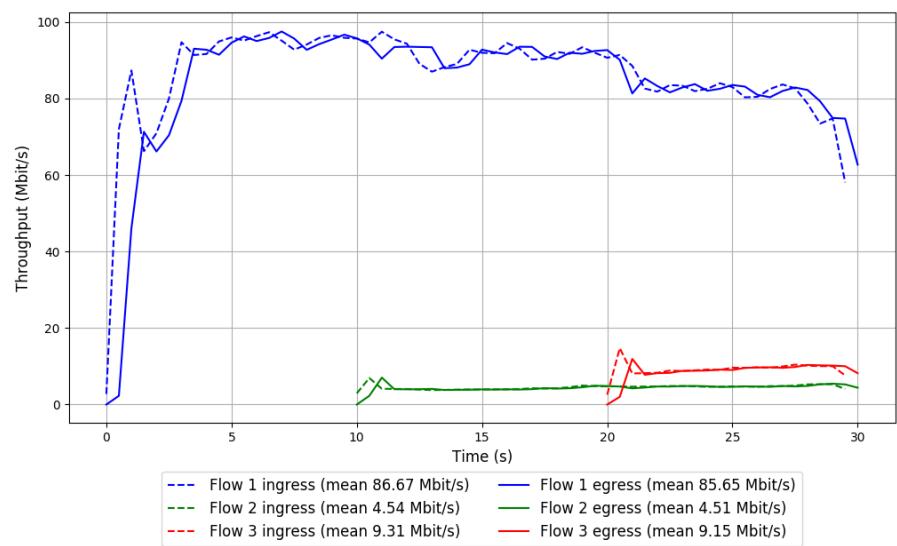


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 05:40:46
End at: 2018-08-22 05:41:16
Local clock offset: 0.374 ms
Remote clock offset: -2.379 ms

Below is generated by plot.py at 2018-08-22 06:33:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 57.503 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 57.496 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 59.678 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 52.990 ms
Loss rate: 1.78%

Run 9: Report of PCC-Allegro — Data Link

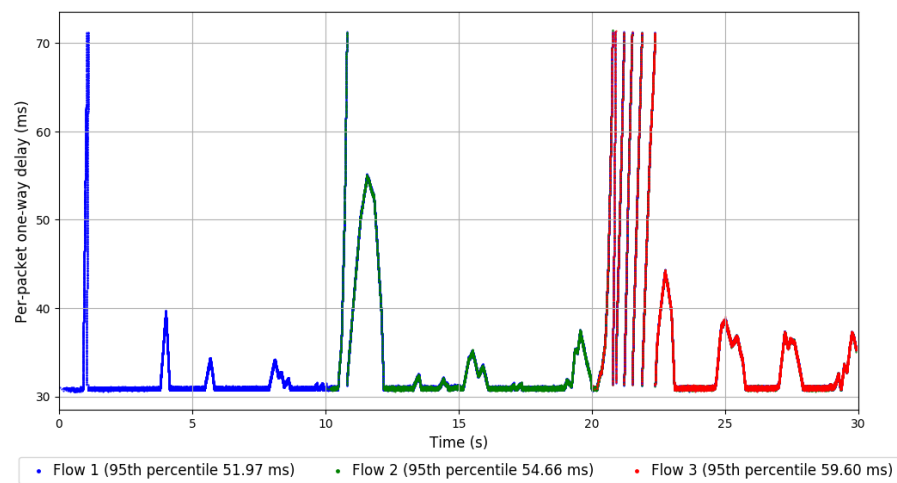
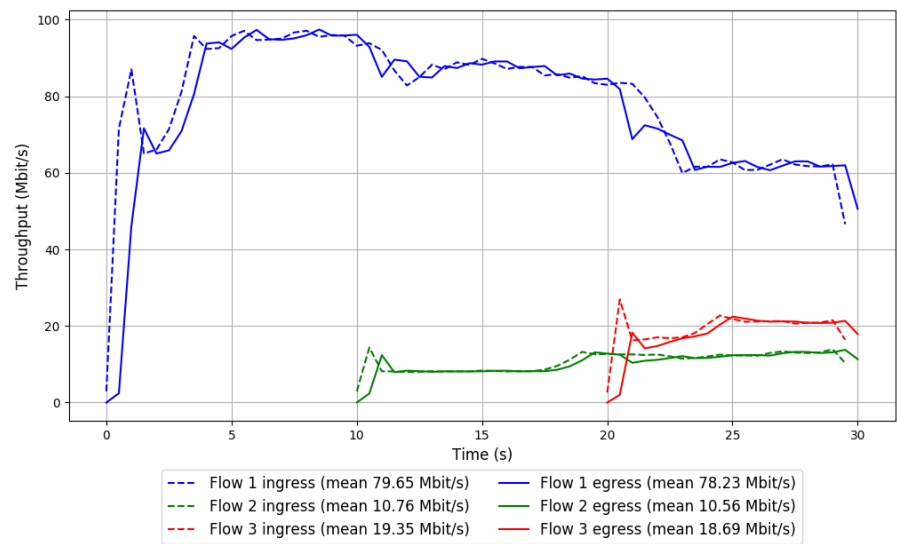


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 06:03:37
End at: 2018-08-22 06:04:07
Local clock offset: 0.123 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2018-08-22 06:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 52.718 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 51.970 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 54.658 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 59.599 ms
Loss rate: 3.42%

Run 10: Report of PCC-Allegro — Data Link

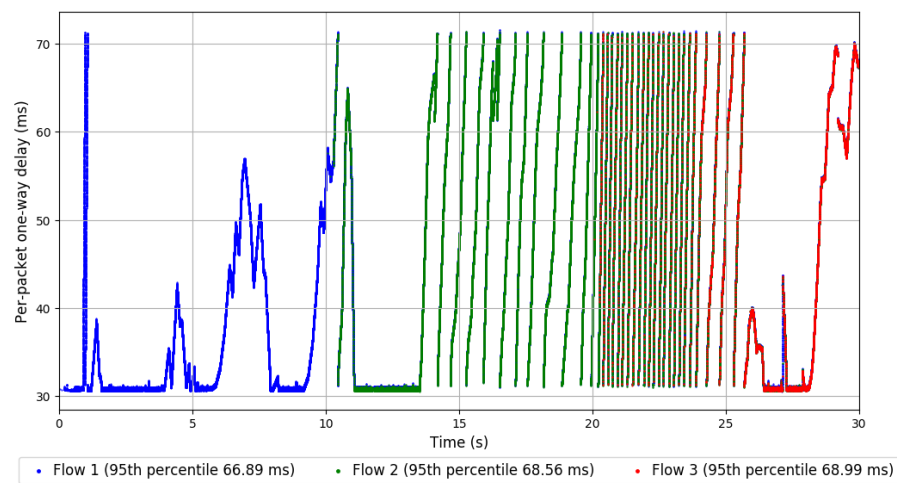
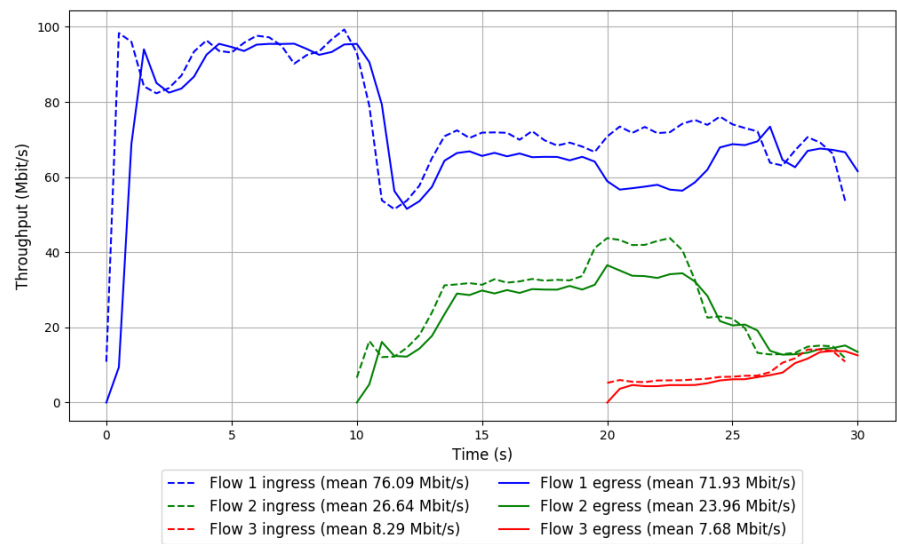


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 02:30:50
End at: 2018-08-22 02:31:20
Local clock offset: 0.09 ms
Remote clock offset: -1.01 ms

# Below is generated by plot.py at 2018-08-22 06:34:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 71.93 Mbit/s
95th percentile per-packet one-way delay: 66.889 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 68.556 ms
Loss rate: 10.03%
-- Flow 3:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 68.992 ms
Loss rate: 7.13%
```

Run 1: Report of PCC-Expr — Data Link

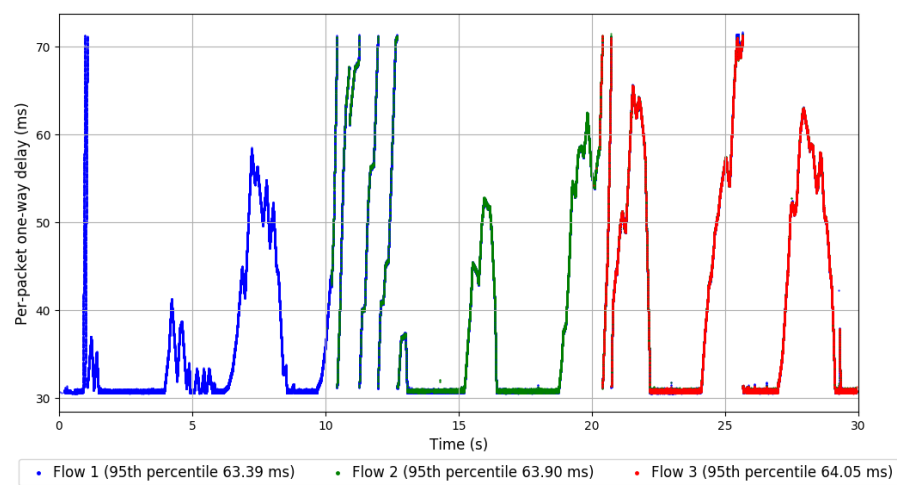
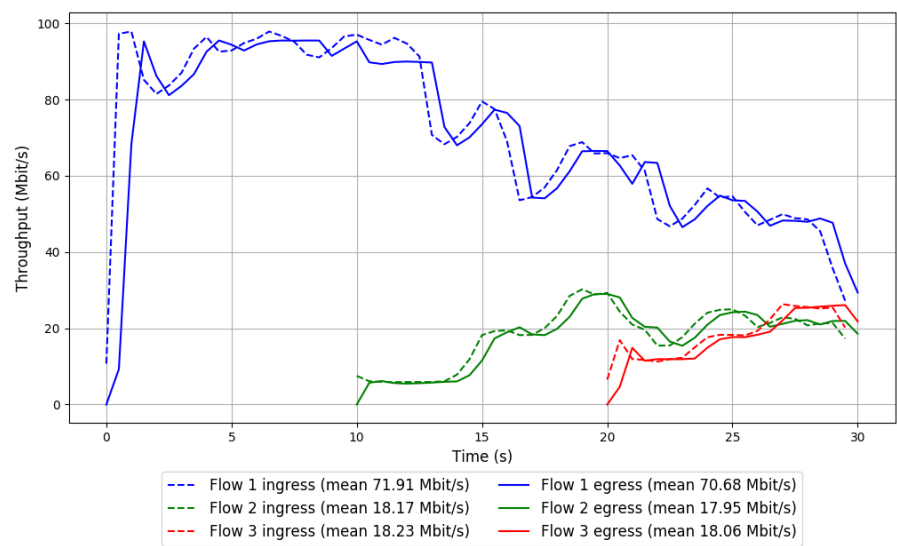


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 02:53:48
End at: 2018-08-22 02:54:18
Local clock offset: 0.126 ms
Remote clock offset: -1.04 ms

# Below is generated by plot.py at 2018-08-22 06:34:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 63.386 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 63.902 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 64.053 ms
Loss rate: 1.19%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 03:16:56

End at: 2018-08-22 03:17:26

Local clock offset: 0.239 ms

Remote clock offset: 1.171 ms

Below is generated by plot.py at 2018-08-22 06:34:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.44 Mbit/s

95th percentile per-packet one-way delay: 64.302 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 65.42 Mbit/s

95th percentile per-packet one-way delay: 62.433 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 28.84 Mbit/s

95th percentile per-packet one-way delay: 66.597 ms

Loss rate: 1.64%

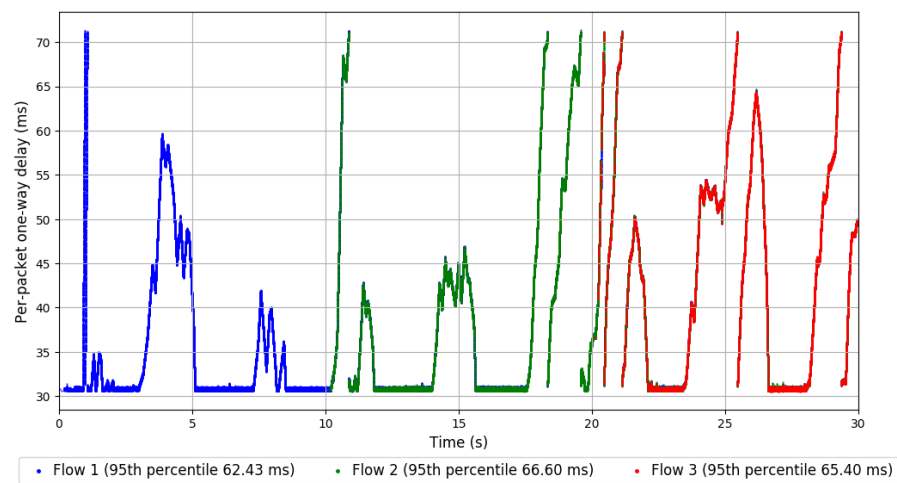
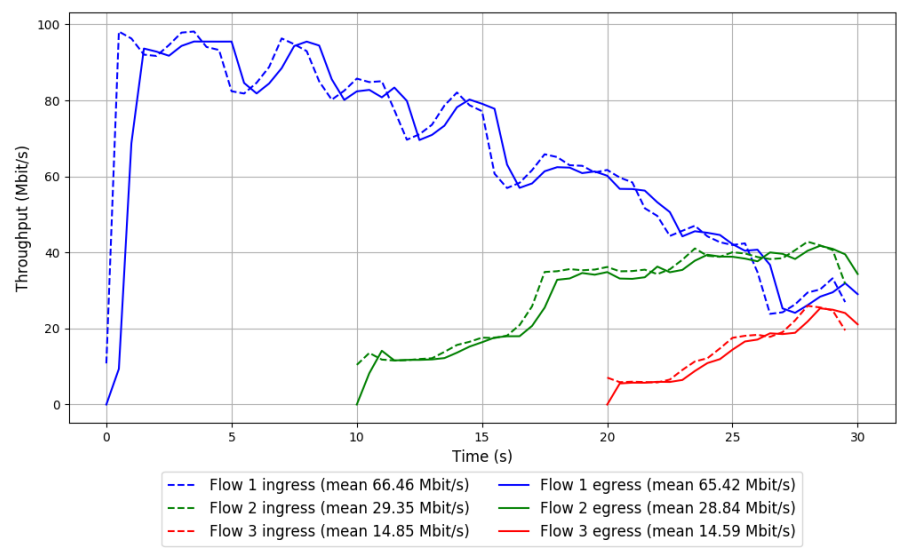
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 65.397 ms

Loss rate: 1.62%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 03:40:06

End at: 2018-08-22 03:40:36

Local clock offset: 0.997 ms

Remote clock offset: 1.566 ms

Below is generated by plot.py at 2018-08-22 06:35:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.72 Mbit/s

95th percentile per-packet one-way delay: 62.285 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 59.977 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 65.937 ms

Loss rate: 0.99%

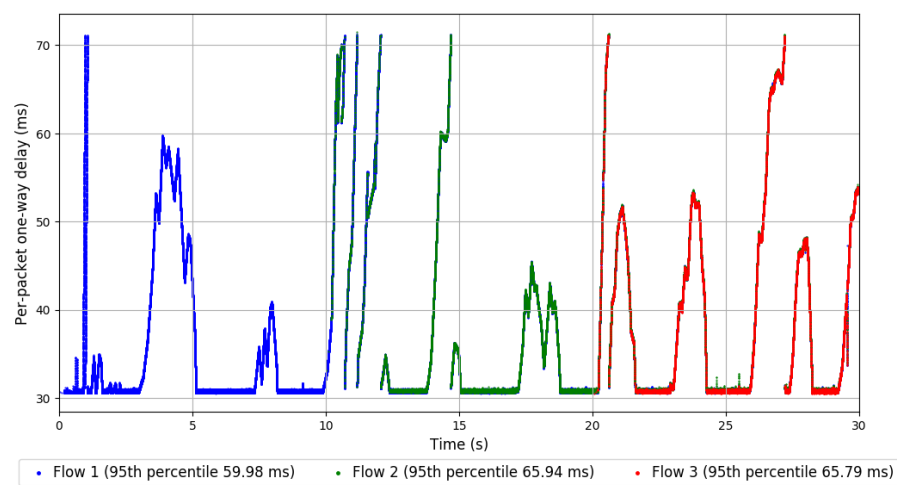
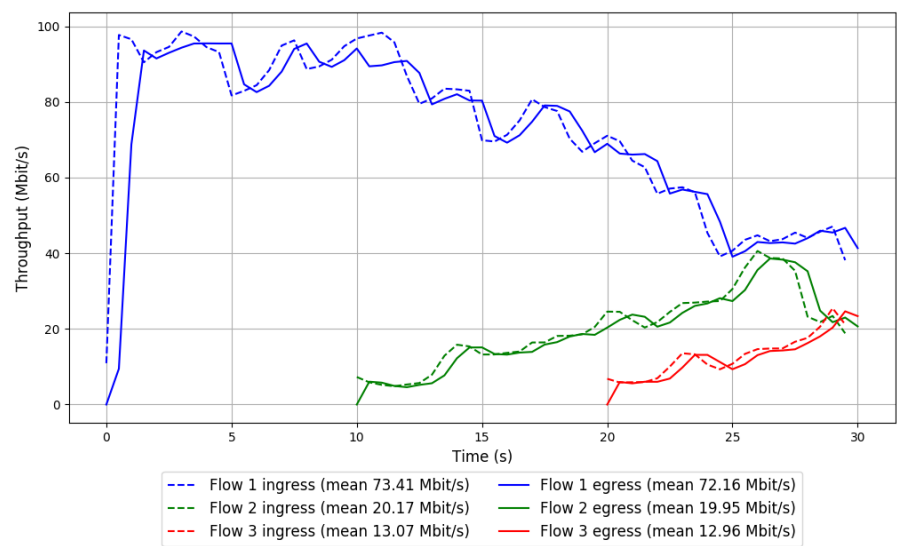
-- Flow 3:

Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 65.794 ms

Loss rate: 0.62%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 04:03:10

End at: 2018-08-22 04:03:40

Local clock offset: 1.437 ms

Remote clock offset: 2.022 ms

Below is generated by plot.py at 2018-08-22 06:35:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.01 Mbit/s

95th percentile per-packet one-way delay: 63.357 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 61.817 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 66.769 ms

Loss rate: 1.30%

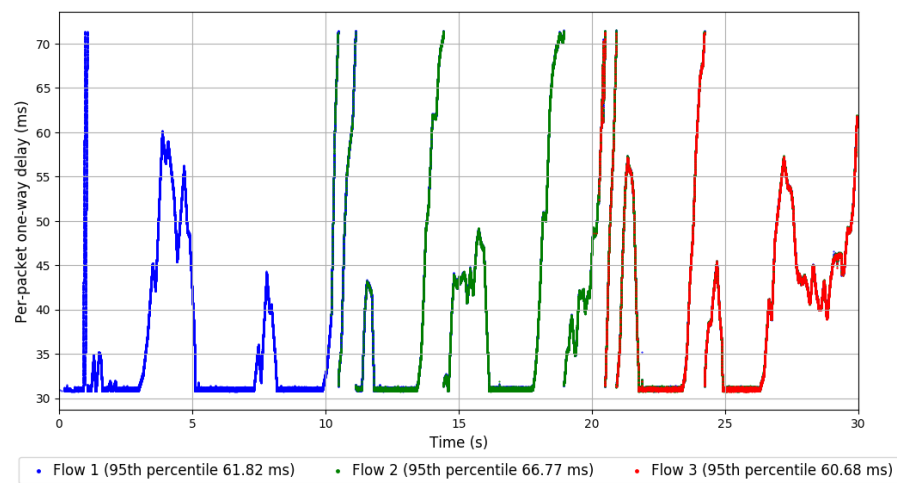
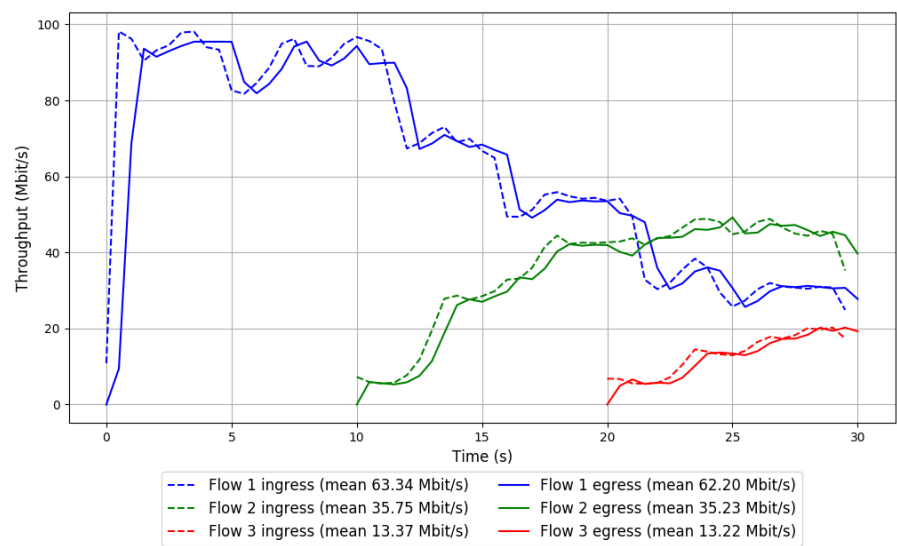
-- Flow 3:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 60.682 ms

Loss rate: 1.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 04:26:03

End at: 2018-08-22 04:26:33

Local clock offset: 0.258 ms

Remote clock offset: 2.093 ms

Below is generated by plot.py at 2018-08-22 06:35:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.23 Mbit/s

95th percentile per-packet one-way delay: 64.966 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 68.12 Mbit/s

95th percentile per-packet one-way delay: 63.801 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 66.213 ms

Loss rate: 0.94%

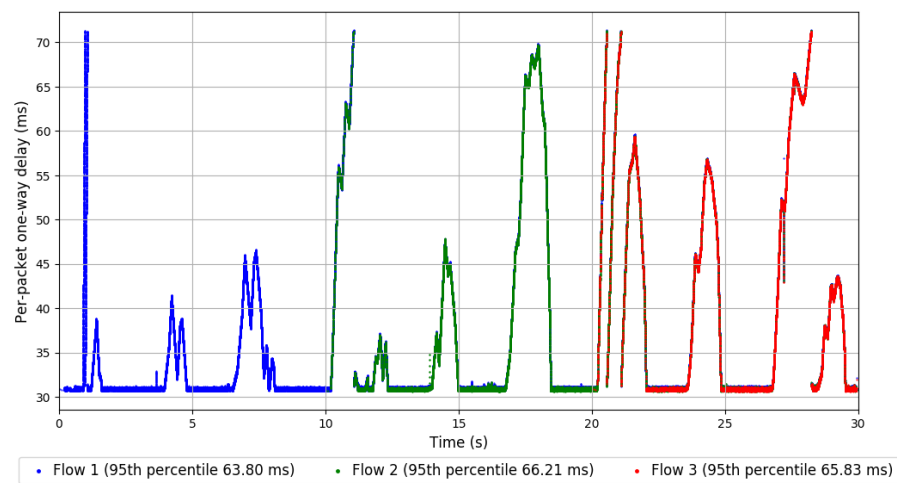
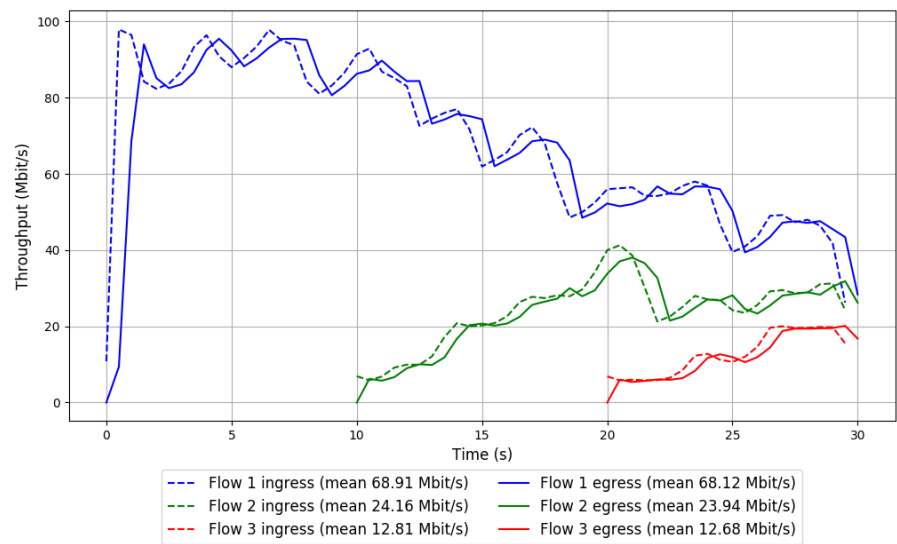
-- Flow 3:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 65.829 ms

Loss rate: 0.97%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 04:49:16

End at: 2018-08-22 04:49:46

Local clock offset: 0.183 ms

Remote clock offset: 2.241 ms

Below is generated by plot.py at 2018-08-22 06:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.10 Mbit/s

95th percentile per-packet one-way delay: 59.080 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 62.55 Mbit/s

95th percentile per-packet one-way delay: 58.474 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 36.22 Mbit/s

95th percentile per-packet one-way delay: 60.519 ms

Loss rate: 0.54%

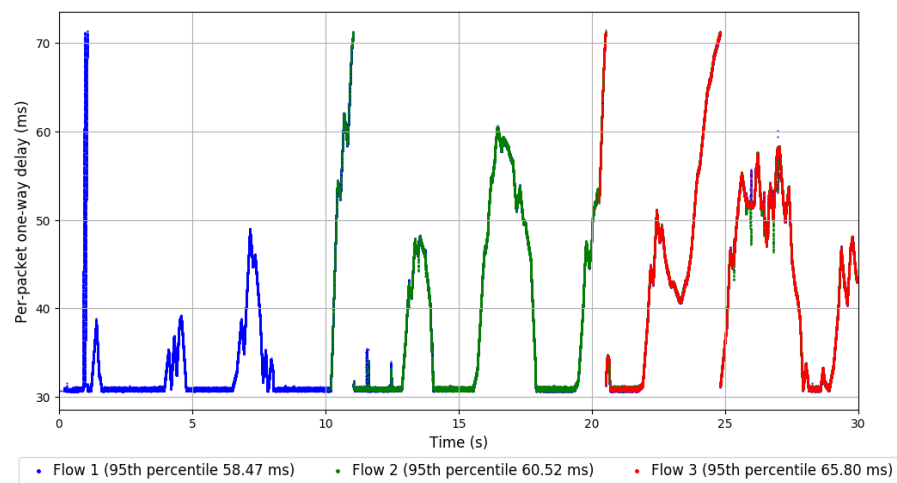
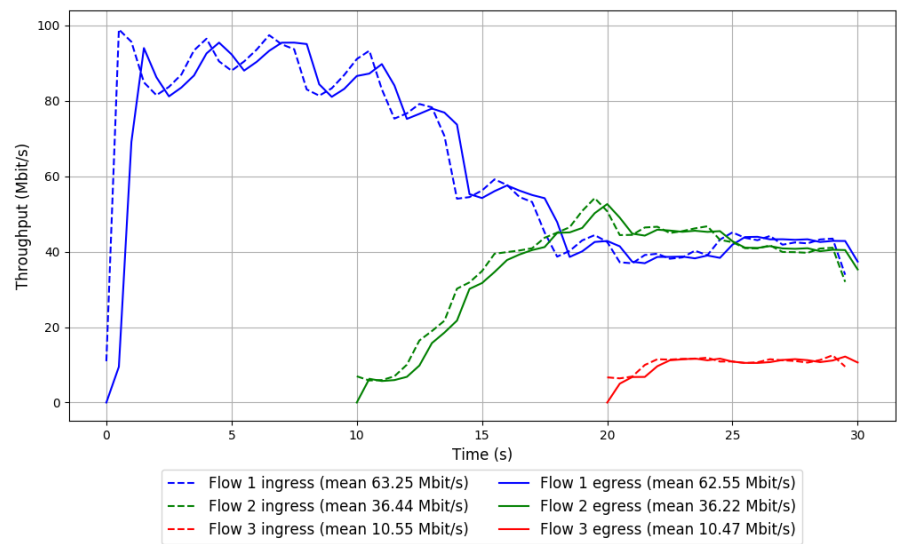
-- Flow 3:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 65.798 ms

Loss rate: 0.85%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 05:12:12

End at: 2018-08-22 05:12:42

Local clock offset: 0.218 ms

Remote clock offset: 2.113 ms

Below is generated by plot.py at 2018-08-22 06:35:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 64.924 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 68.75 Mbit/s

95th percentile per-packet one-way delay: 63.685 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 66.744 ms

Loss rate: 0.84%

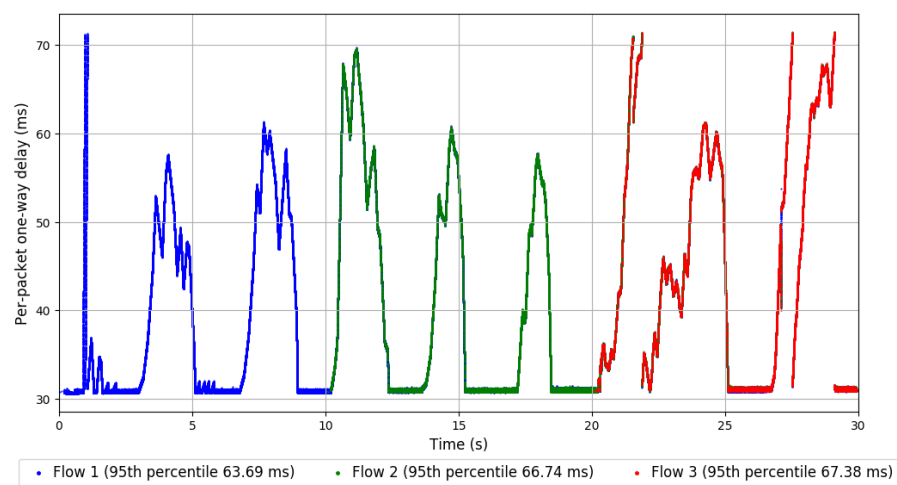
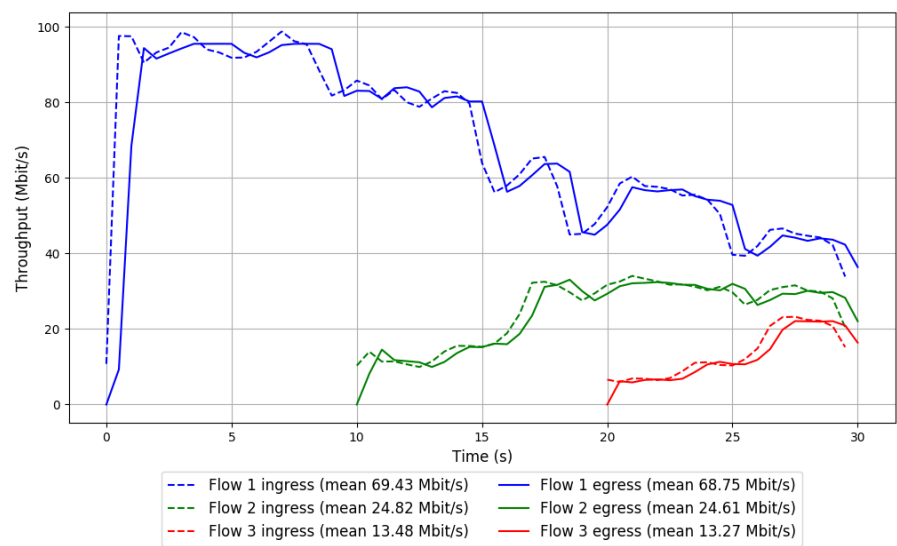
-- Flow 3:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 67.376 ms

Loss rate: 1.56%

Run 8: Report of PCC-Expr — Data Link

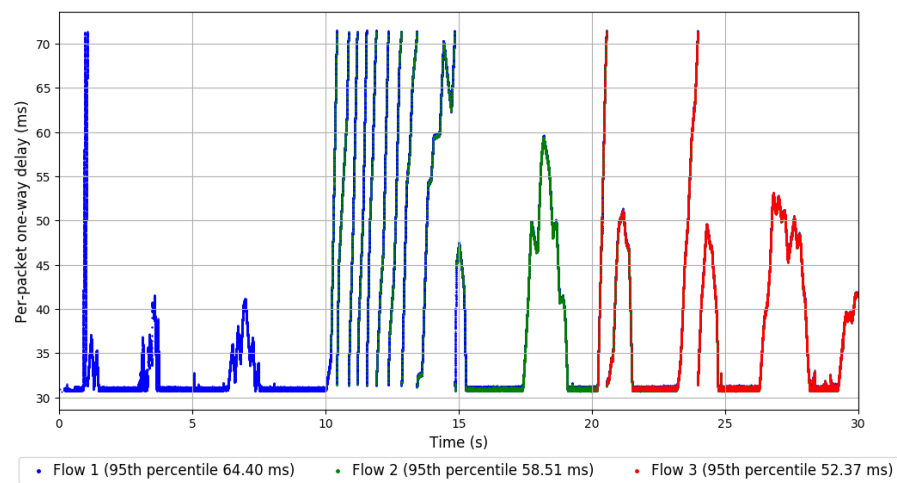
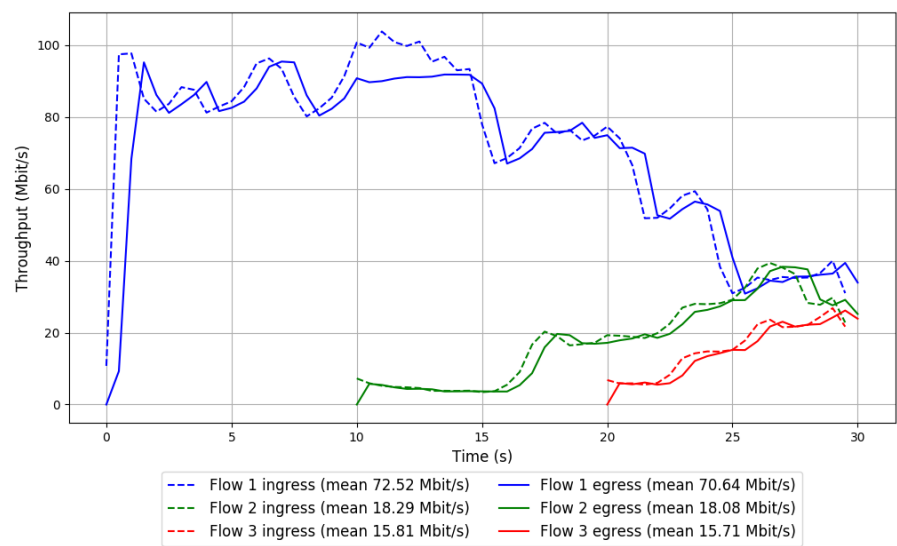


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 05:35:17
End at: 2018-08-22 05:35:47
Local clock offset: 0.484 ms
Remote clock offset: -1.786 ms

Below is generated by plot.py at 2018-08-22 06:37:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 63.339 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 70.64 Mbit/s
95th percentile per-packet one-way delay: 64.404 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 58.513 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 52.366 ms
Loss rate: 0.54%

Run 9: Report of PCC-Expr — Data Link

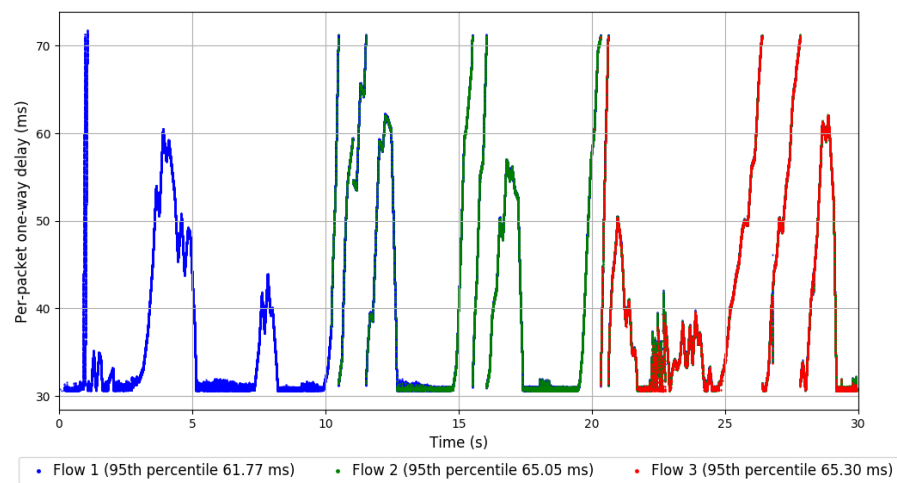
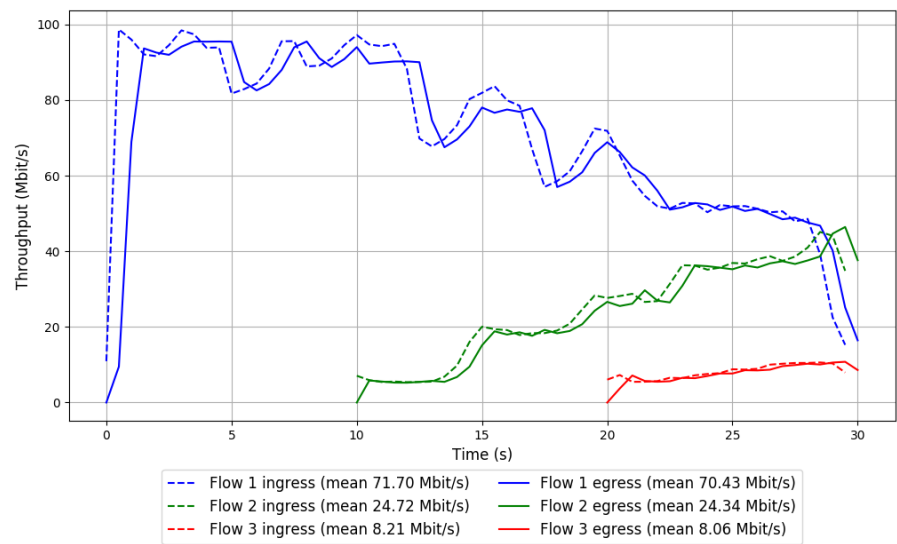


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 05:58:08
End at: 2018-08-22 05:58:38
Local clock offset: 0.123 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2018-08-22 06:37:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 62.308 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 65.045 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 65.300 ms
Loss rate: 2.12%

Run 10: Report of PCC-Expr — Data Link

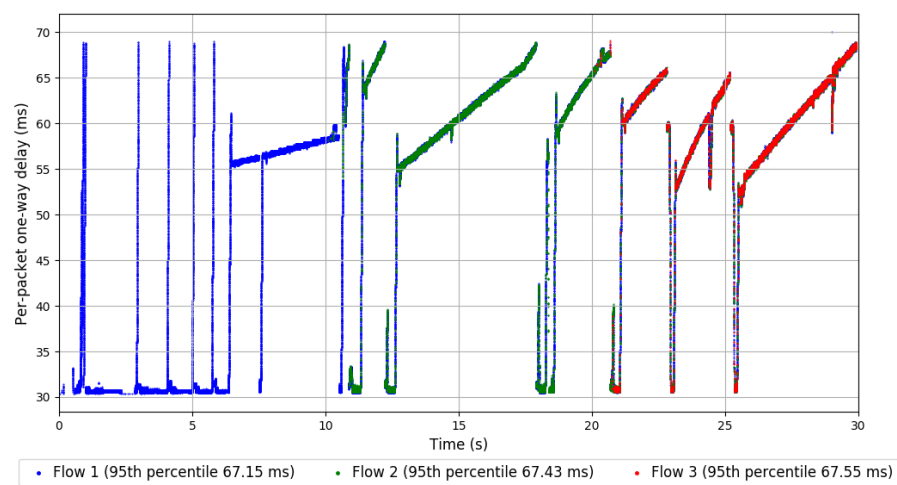
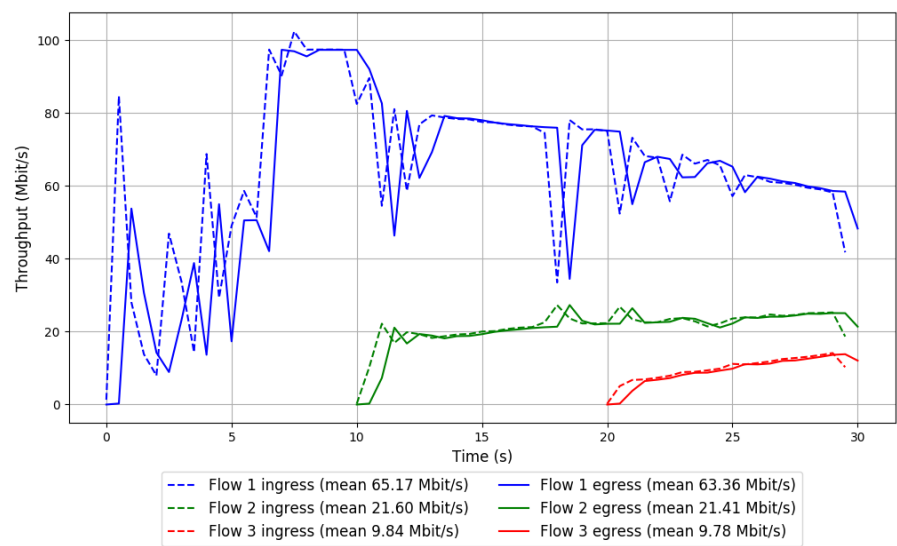


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 02:28:08
End at: 2018-08-22 02:28:38
Local clock offset: 0.019 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2018-08-22 06:37:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 67.230 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 67.146 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 67.430 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 67.554 ms
Loss rate: 0.66%

Run 1: Report of QUIC Cubic — Data Link

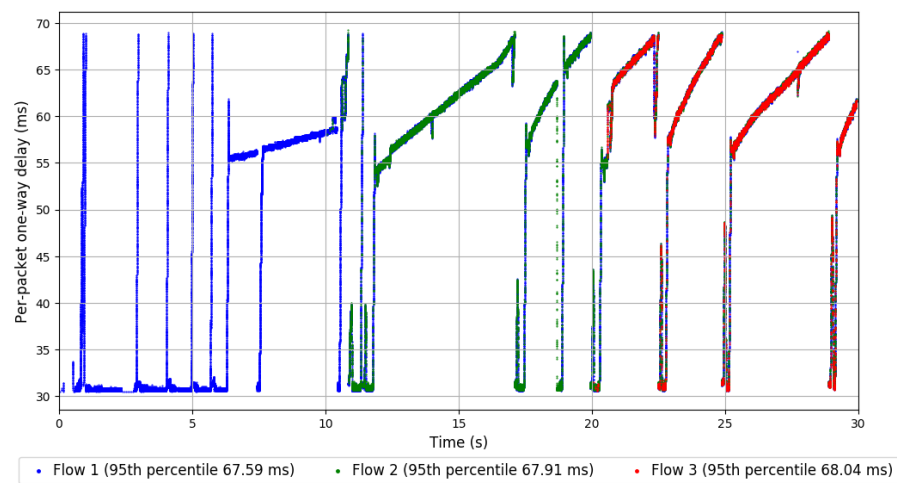
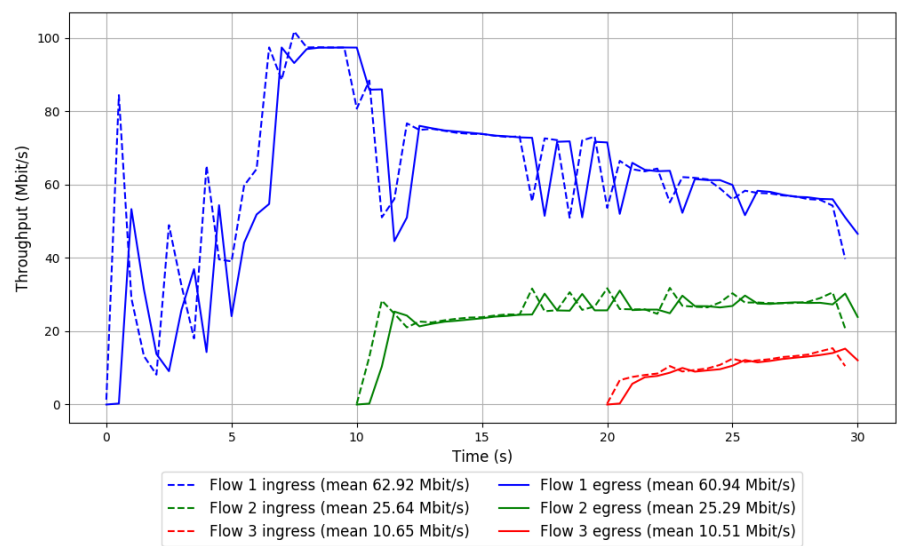


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 02:51:06
End at: 2018-08-22 02:51:36
Local clock offset: 0.127 ms
Remote clock offset: -1.026 ms

Below is generated by plot.py at 2018-08-22 06:37:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 67.739 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 60.94 Mbit/s
95th percentile per-packet one-way delay: 67.594 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 67.912 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 68.038 ms
Loss rate: 1.08%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 03:14:10

End at: 2018-08-22 03:14:40

Local clock offset: 0.101 ms

Remote clock offset: 0.841 ms

Below is generated by plot.py at 2018-08-22 06:37:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 67.432 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 67.320 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 67.601 ms

Loss rate: 1.21%

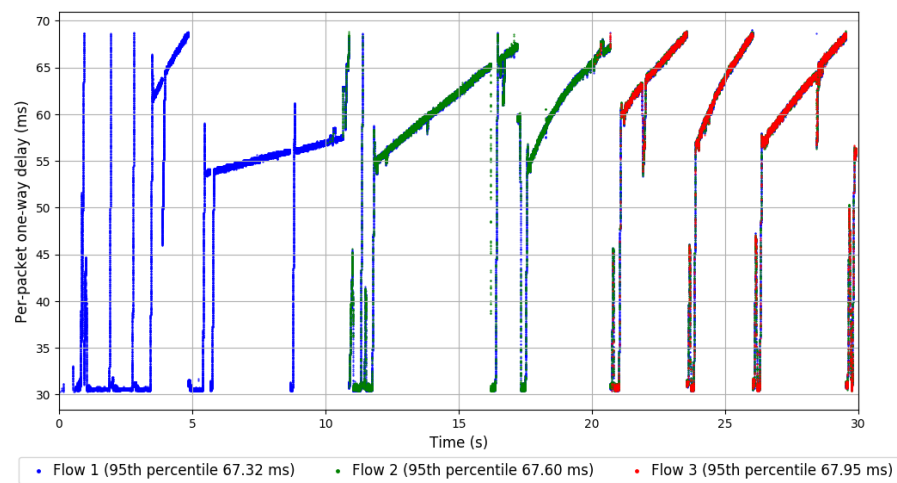
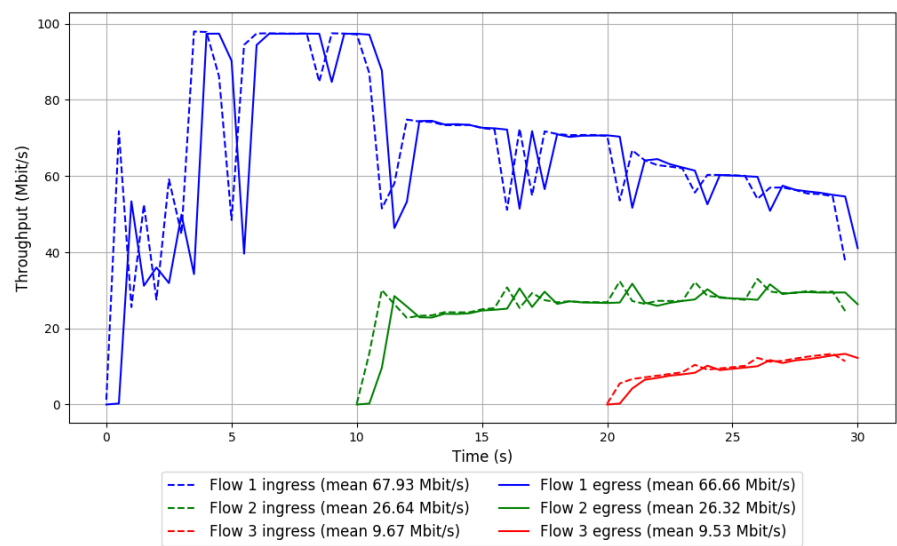
-- Flow 3:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 67.955 ms

Loss rate: 1.57%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 03:37:25

End at: 2018-08-22 03:37:55

Local clock offset: 0.937 ms

Remote clock offset: 1.65 ms

Below is generated by plot.py at 2018-08-22 06:37:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.22 Mbit/s

95th percentile per-packet one-way delay: 67.576 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 67.411 ms

Loss rate: 2.98%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 67.820 ms

Loss rate: 1.16%

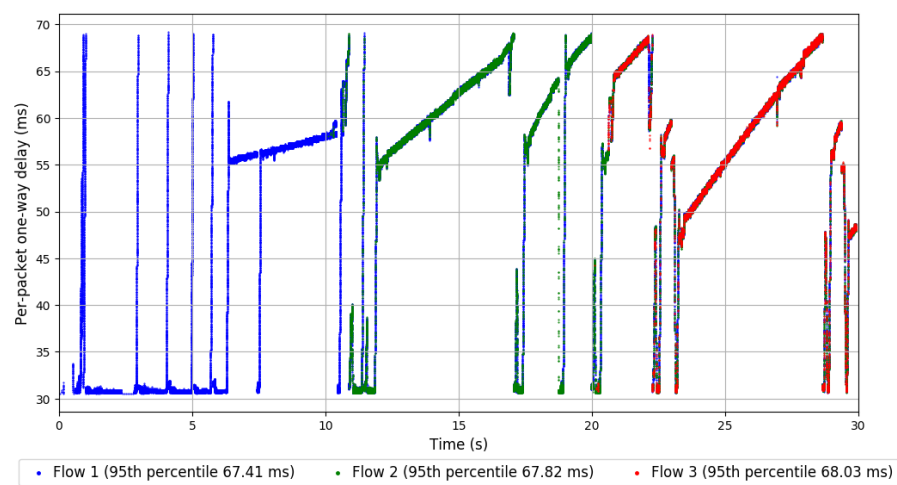
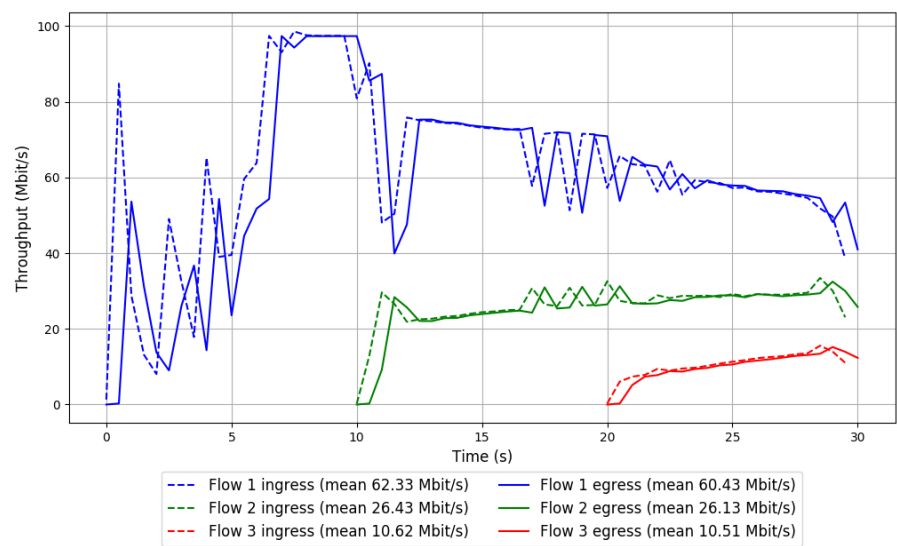
-- Flow 3:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 68.027 ms

Loss rate: 0.97%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 04:00:28

End at: 2018-08-22 04:00:58

Local clock offset: 1.382 ms

Remote clock offset: 1.738 ms

Below is generated by plot.py at 2018-08-22 06:37:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.30 Mbit/s

95th percentile per-packet one-way delay: 66.665 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 66.912 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 23.16 Mbit/s

95th percentile per-packet one-way delay: 66.647 ms

Loss rate: 0.87%

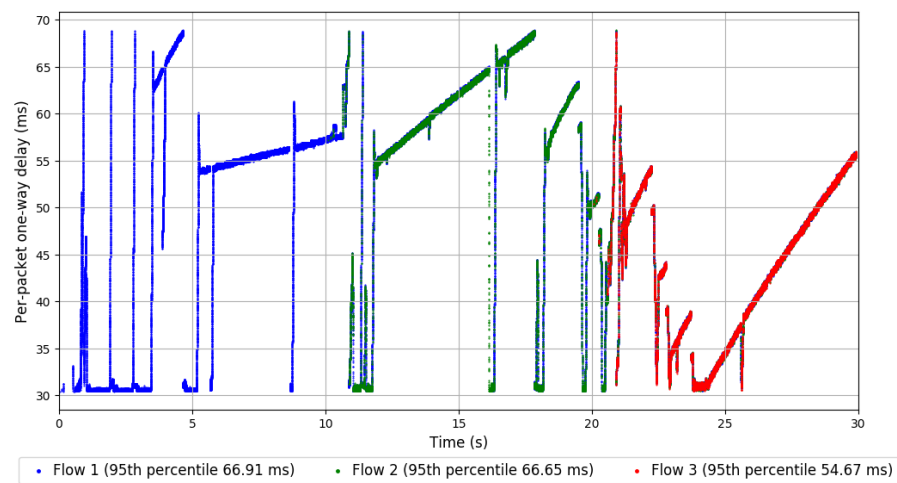
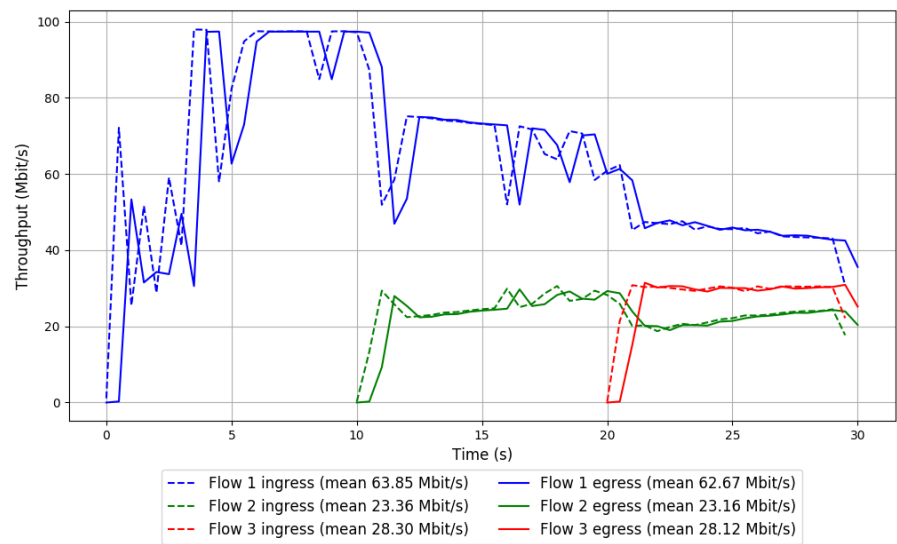
-- Flow 3:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 54.668 ms

Loss rate: 0.61%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 04:23:22

End at: 2018-08-22 04:23:52

Local clock offset: 0.325 ms

Remote clock offset: 2.072 ms

Below is generated by plot.py at 2018-08-22 06:37:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 67.040 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 66.92 Mbit/s

95th percentile per-packet one-way delay: 67.041 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 66.993 ms

Loss rate: 0.98%

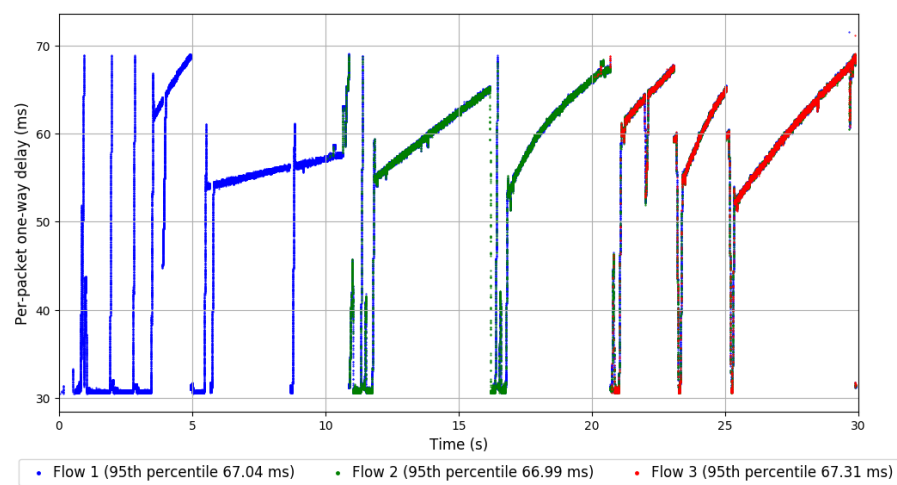
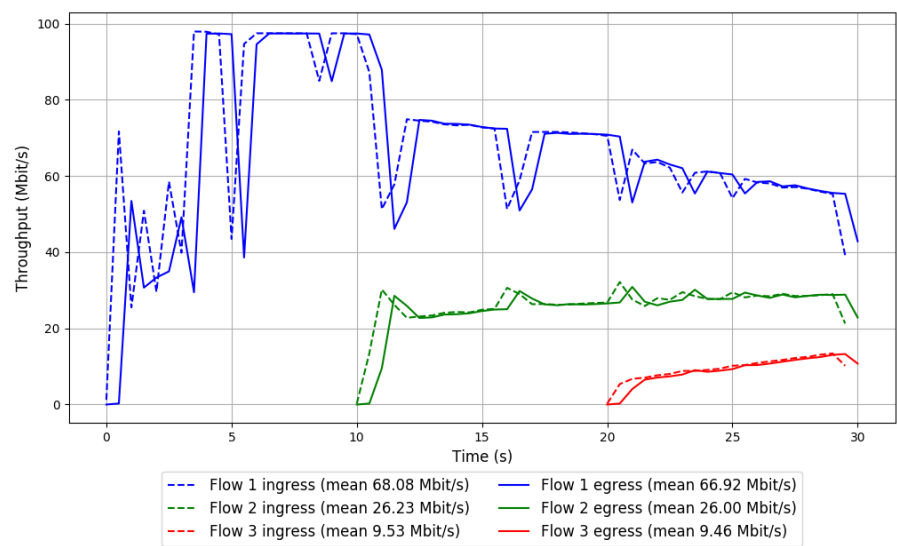
-- Flow 3:

Average throughput: 9.46 Mbit/s

95th percentile per-packet one-way delay: 67.314 ms

Loss rate: 1.12%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 04:46:35

End at: 2018-08-22 04:47:05

Local clock offset: 0.192 ms

Remote clock offset: 2.15 ms

Below is generated by plot.py at 2018-08-22 06:37:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 66.383 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 60.24 Mbit/s

95th percentile per-packet one-way delay: 65.495 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 67.005 ms

Loss rate: 1.12%

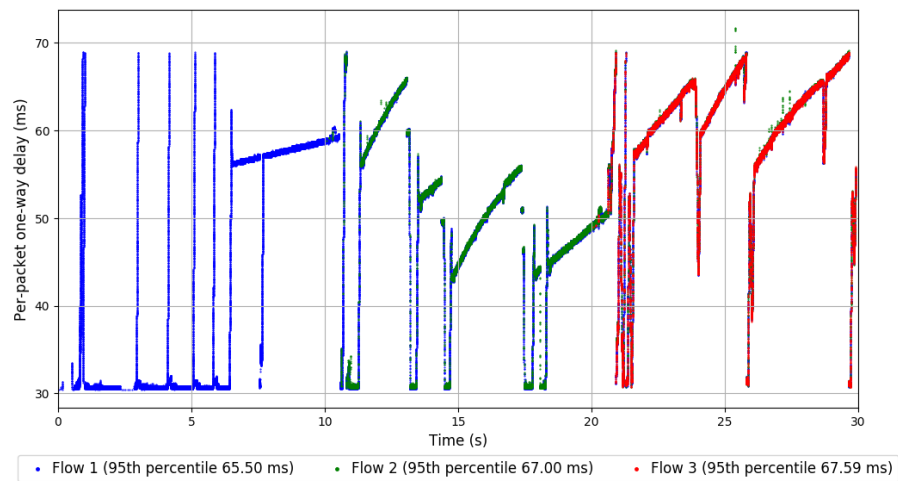
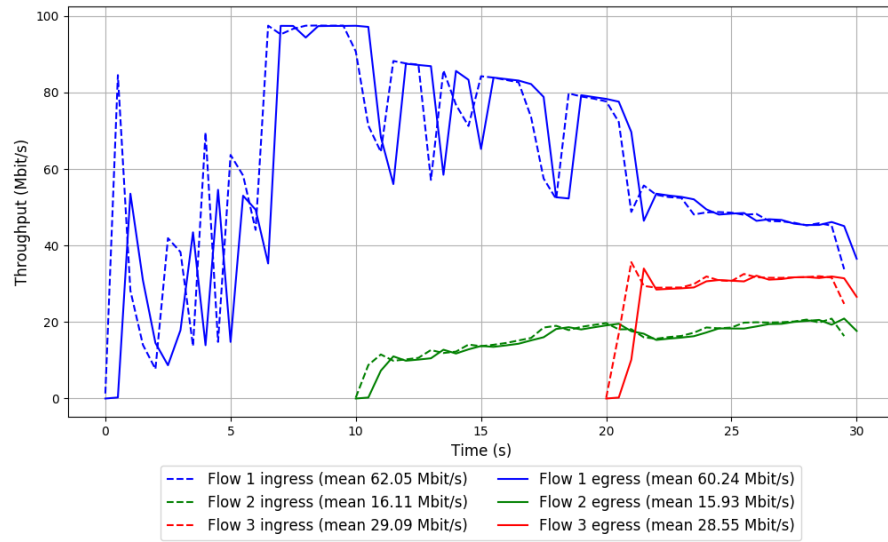
-- Flow 3:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 67.588 ms

Loss rate: 1.78%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 05:09:29

End at: 2018-08-22 05:09:59

Local clock offset: 0.228 ms

Remote clock offset: 2.35 ms

Below is generated by plot.py at 2018-08-22 06:37:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.44 Mbit/s

95th percentile per-packet one-way delay: 67.260 ms

Loss rate: 2.26%

-- Flow 1:

Average throughput: 61.34 Mbit/s

95th percentile per-packet one-way delay: 67.062 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 67.559 ms

Loss rate: 0.80%

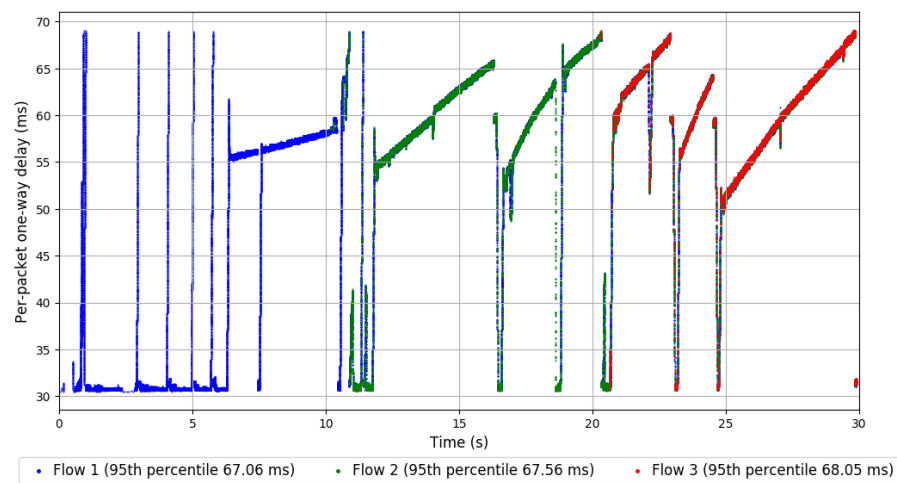
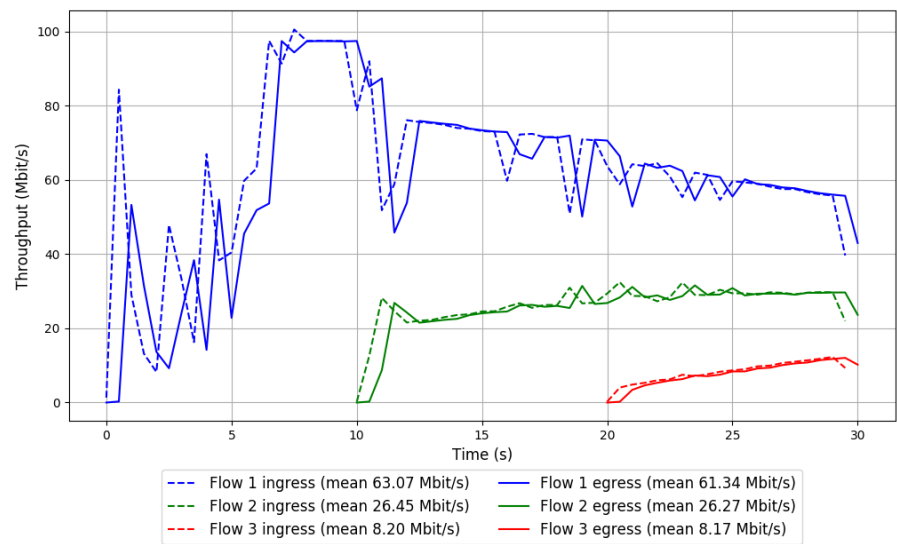
-- Flow 3:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 68.052 ms

Loss rate: 0.69%

Run 8: Report of QUIC Cubic — Data Link

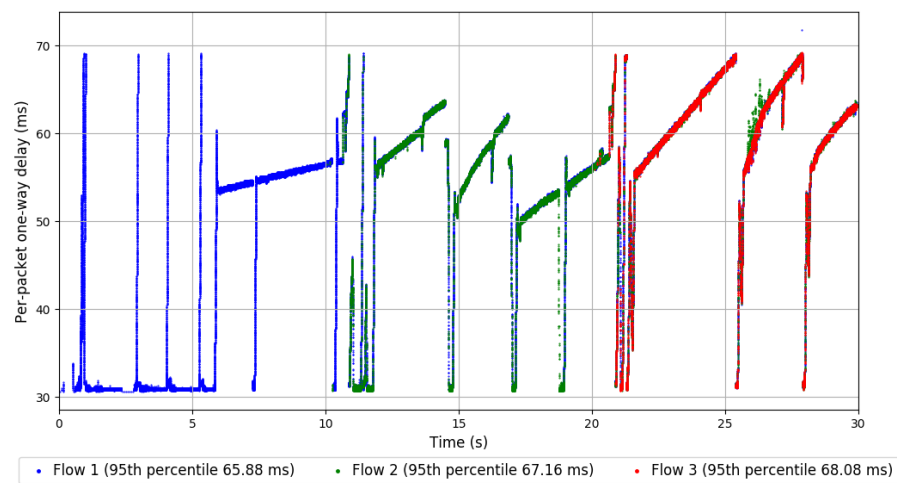
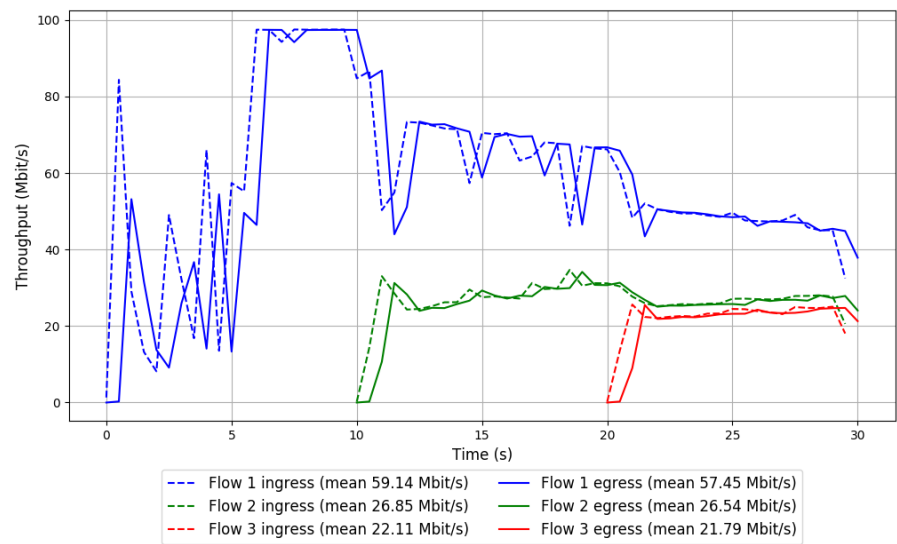


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 05:32:36
End at: 2018-08-22 05:33:06
Local clock offset: 0.469 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2018-08-22 06:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 66.724 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 65.876 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 67.155 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 68.079 ms
Loss rate: 1.37%

Run 9: Report of QUIC Cubic — Data Link

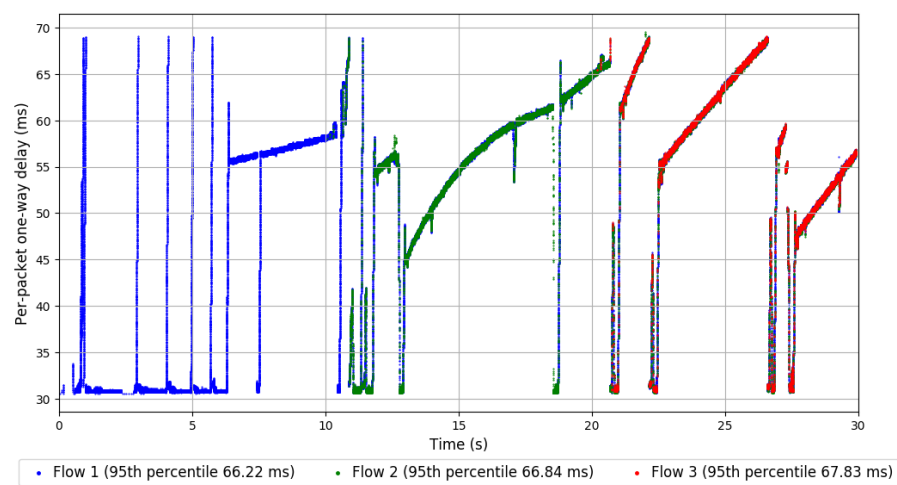
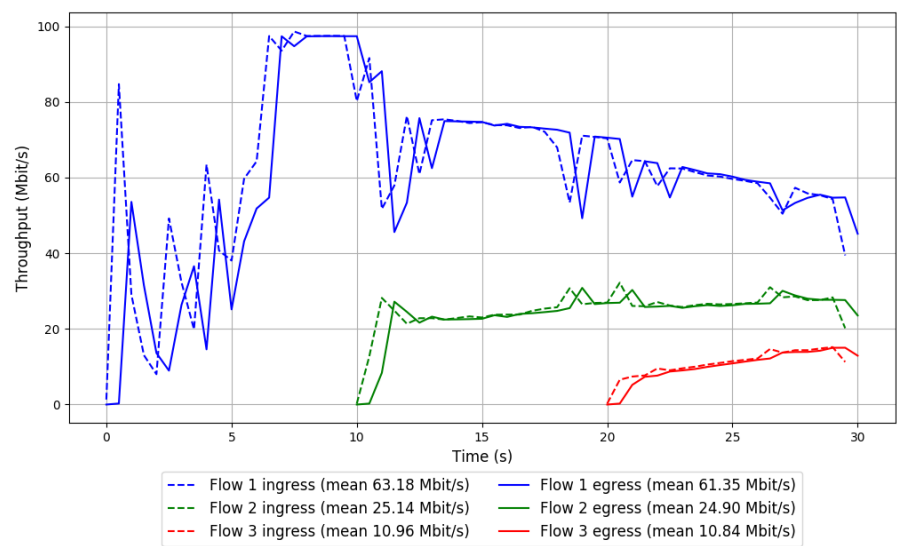


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 05:55:26
End at: 2018-08-22 05:55:56
Local clock offset: 0.138 ms
Remote clock offset: -1.396 ms

Below is generated by plot.py at 2018-08-22 06:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 66.473 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 66.224 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 66.839 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 67.827 ms
Loss rate: 1.18%

Run 10: Report of QUIC Cubic — Data Link

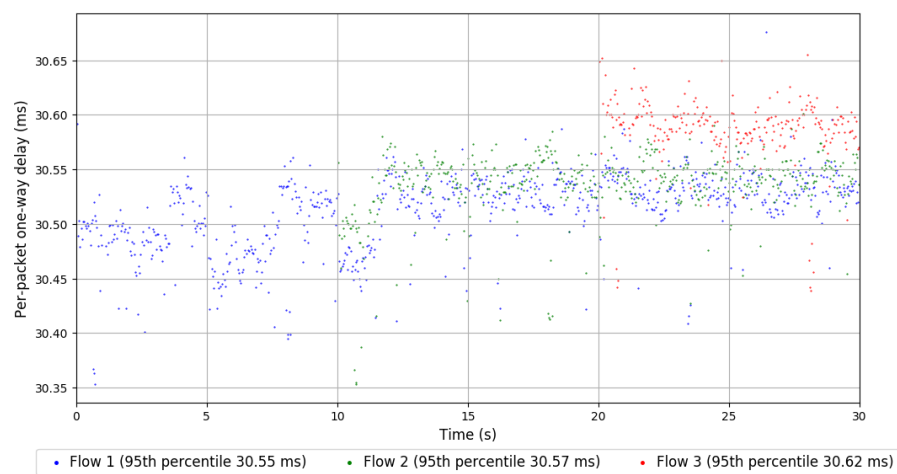
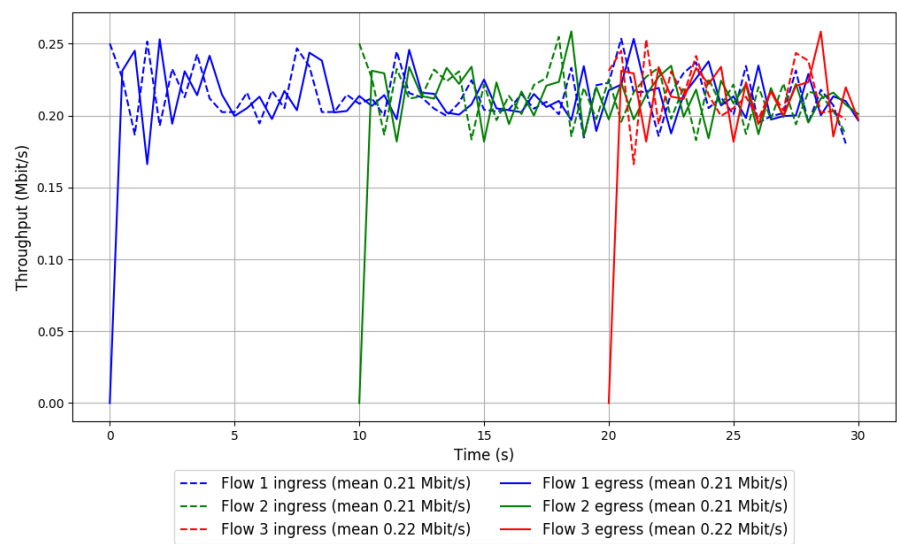


```
Run 1: Statistics of SCReAM

Start at: 2018-08-22 02:41:43
End at: 2018-08-22 02:42:13
Local clock offset: 0.122 ms
Remote clock offset: -1.211 ms

# Below is generated by plot.py at 2018-08-22 06:37:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.553 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.621 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

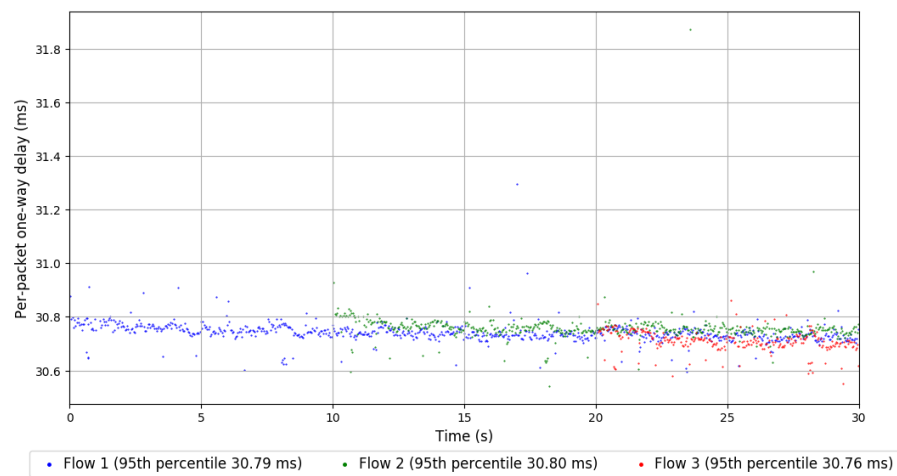
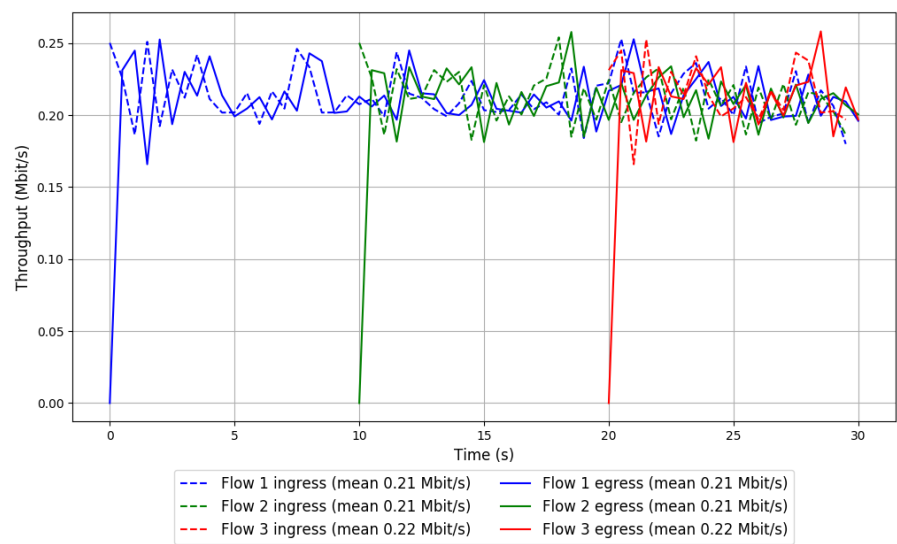


```
Run 2: Statistics of SReAM

Start at: 2018-08-22 03:04:43
End at: 2018-08-22 03:05:13
Local clock offset: 0.083 ms
Remote clock offset: 0.476 ms

# Below is generated by plot.py at 2018-08-22 06:37:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.763 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-22 03:28:03

End at: 2018-08-22 03:28:33

Local clock offset: 0.529 ms

Remote clock offset: 1.544 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.963 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.937 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.961 ms

Loss rate: 0.00%

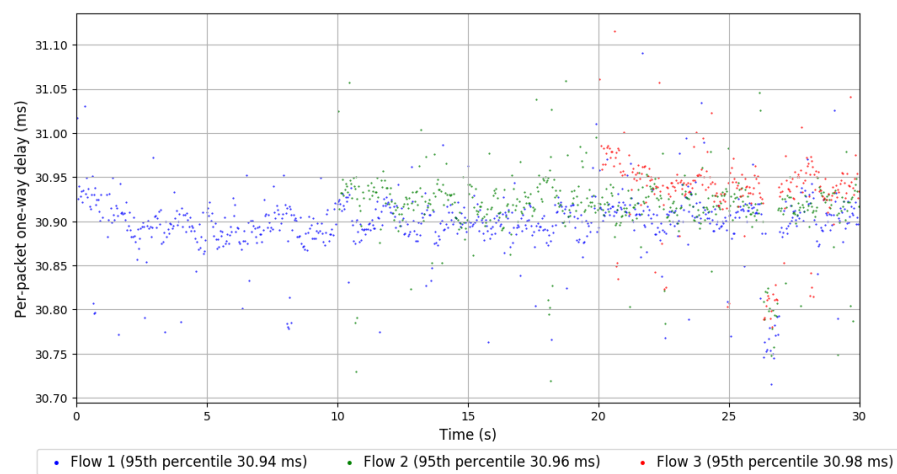
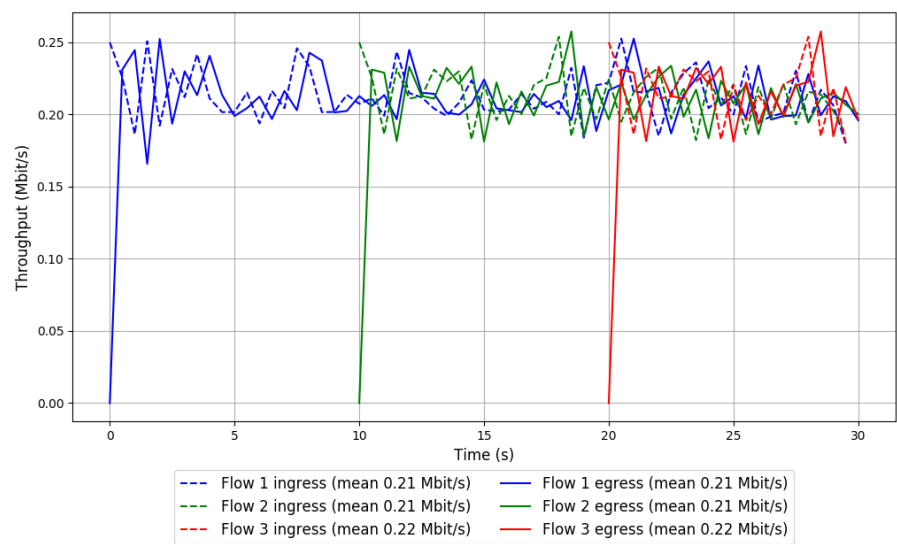
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.983 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-22 03:51:06

End at: 2018-08-22 03:51:36

Local clock offset: 1.121 ms

Remote clock offset: 1.937 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 31.075 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.990 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.072 ms

Loss rate: 0.00%

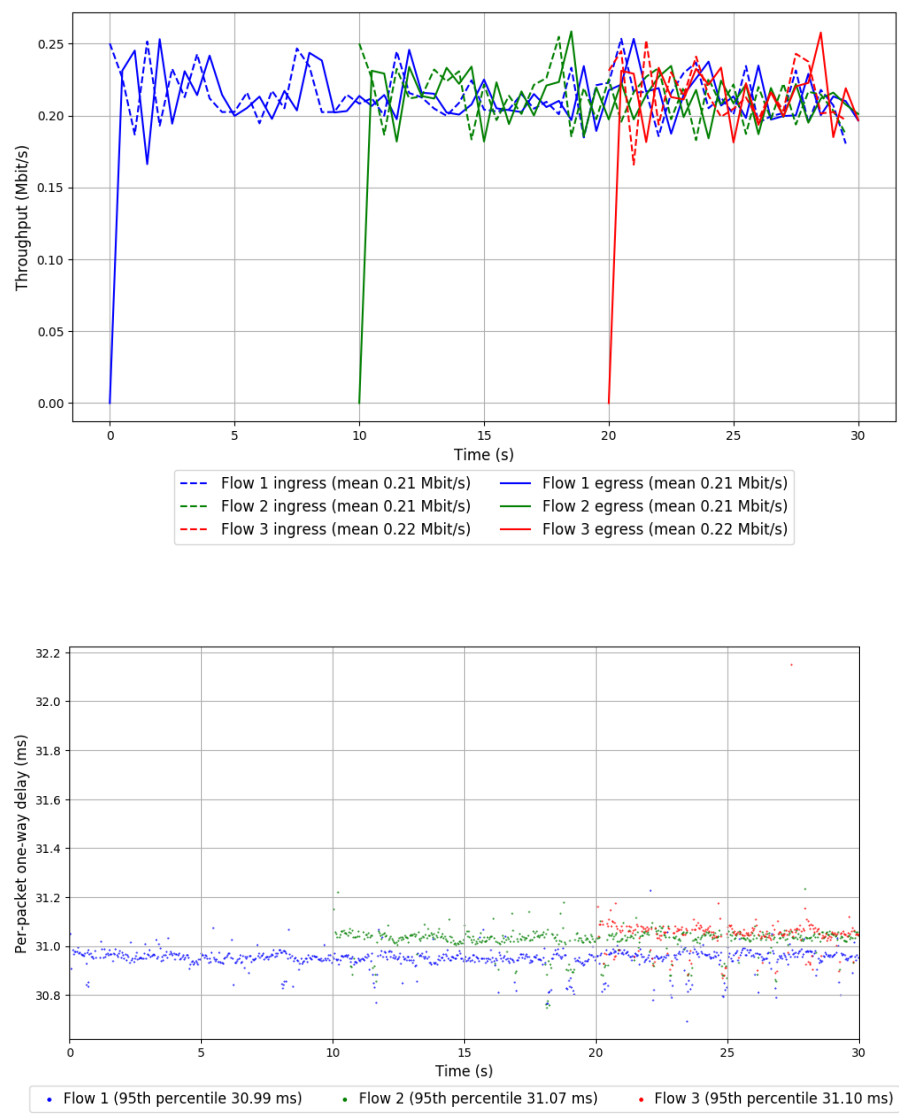
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.104 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-22 04:14:02

End at: 2018-08-22 04:14:32

Local clock offset: 0.75 ms

Remote clock offset: 2.027 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.835 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.845 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.805 ms

Loss rate: 0.00%

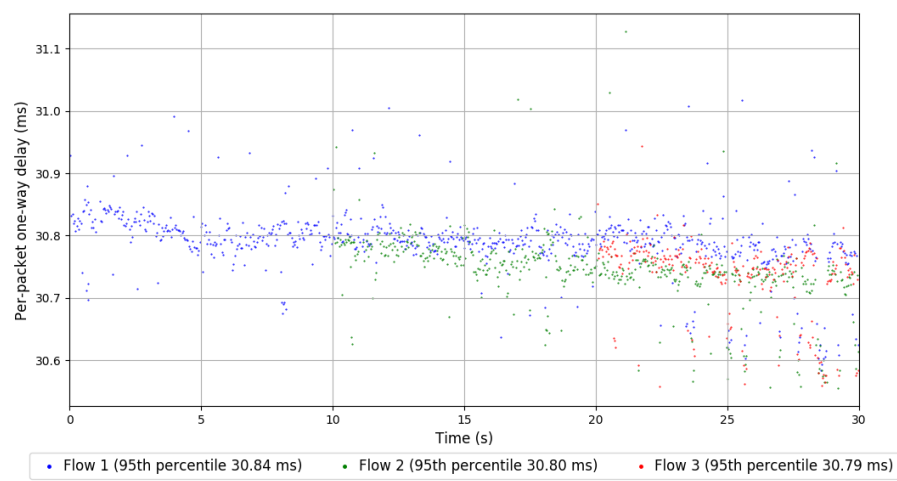
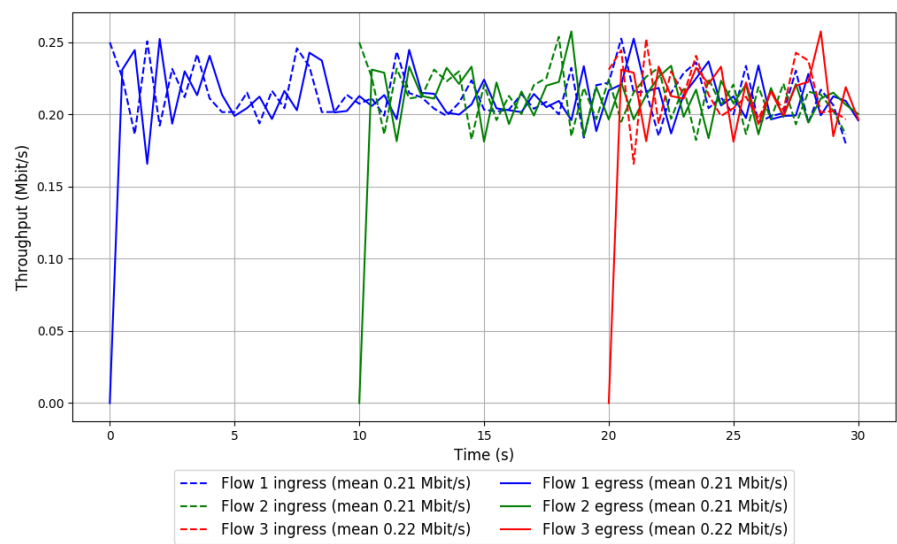
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.788 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-22 04:37:09

End at: 2018-08-22 04:37:39

Local clock offset: 0.032 ms

Remote clock offset: 2.147 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.892 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.904 ms

Loss rate: 0.00%

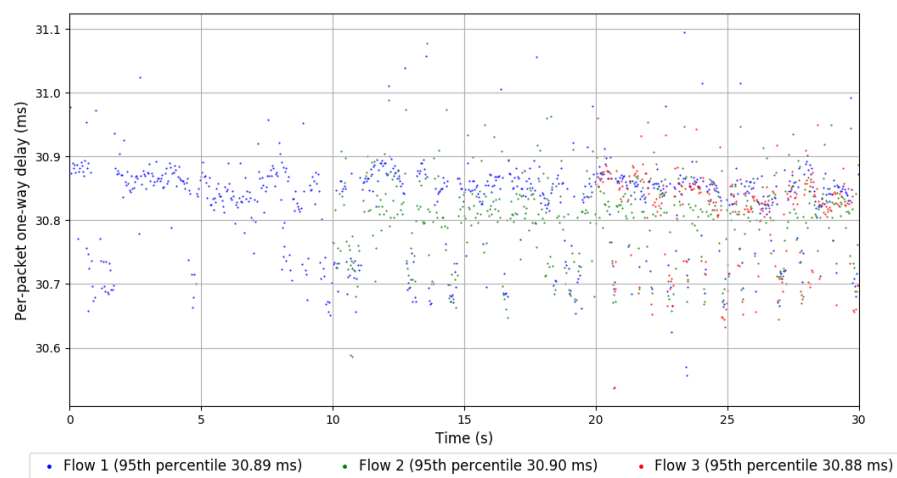
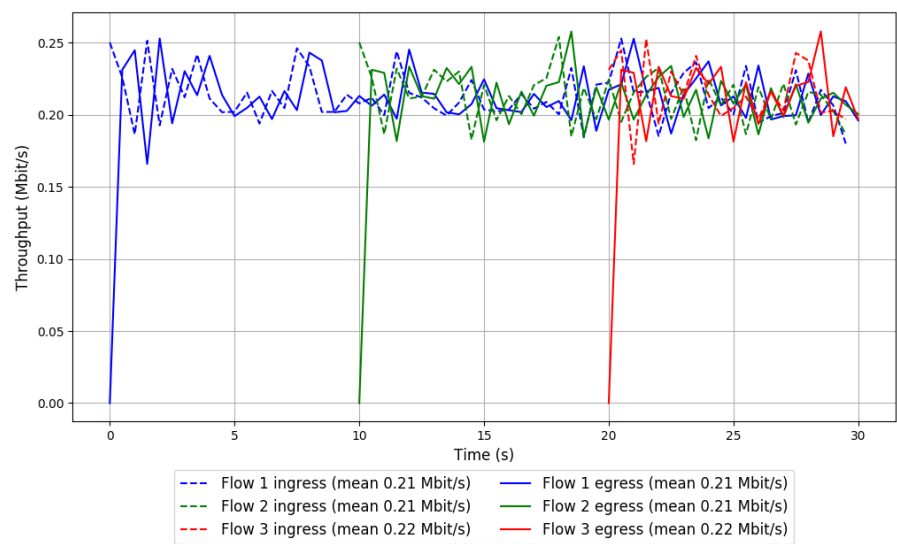
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.883 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-08-22 05:00:05

End at: 2018-08-22 05:00:35

Local clock offset: 0.075 ms

Remote clock offset: 2.299 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.985 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.990 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.977 ms

Loss rate: 0.00%

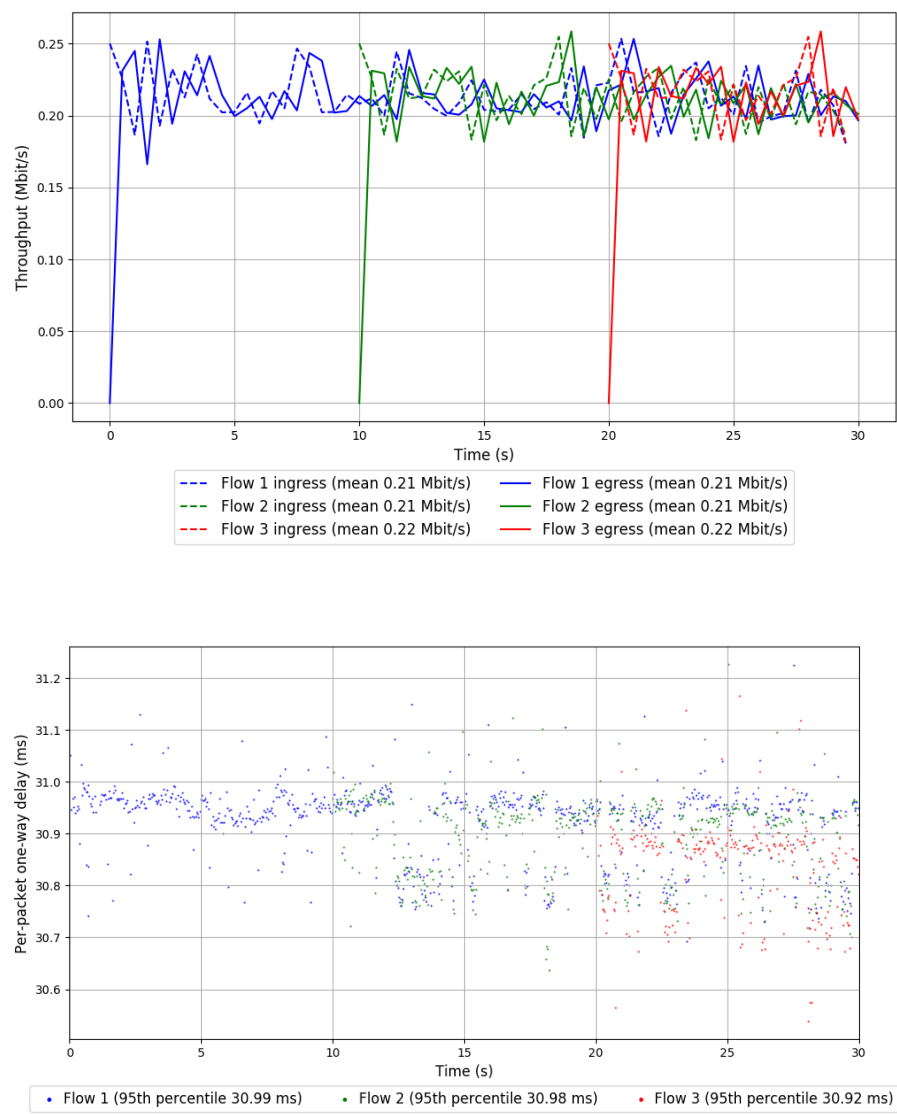
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.916 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

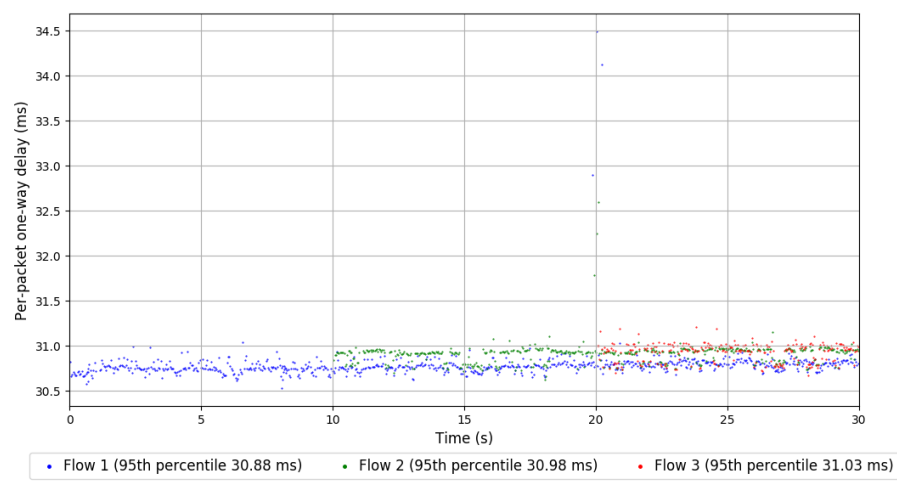
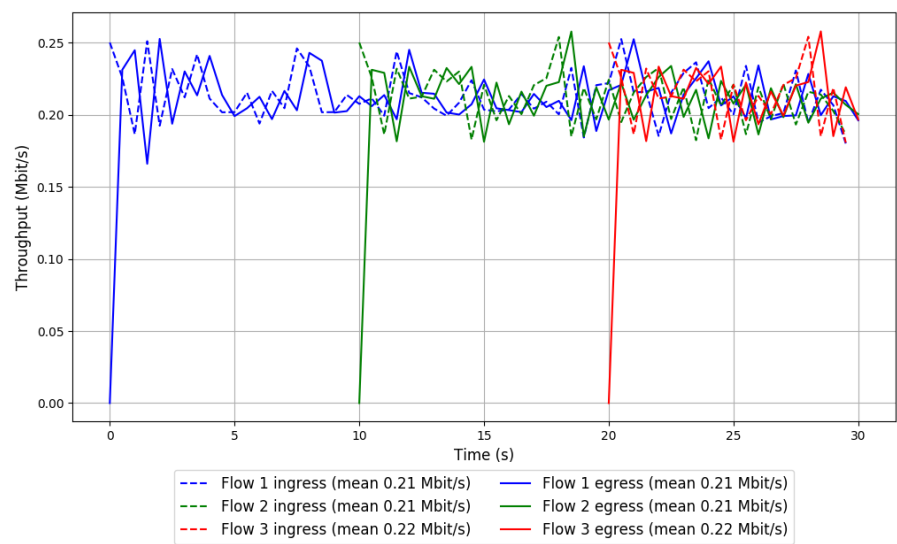


Run 8: Statistics of SReAM

Start at: 2018-08-22 05:23:12
End at: 2018-08-22 05:23:42
Local clock offset: 0.42 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-08-22 06:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

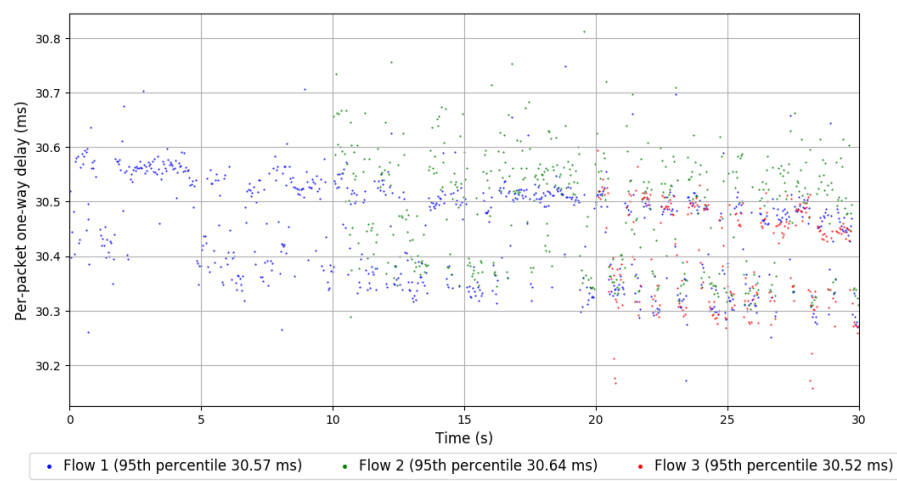
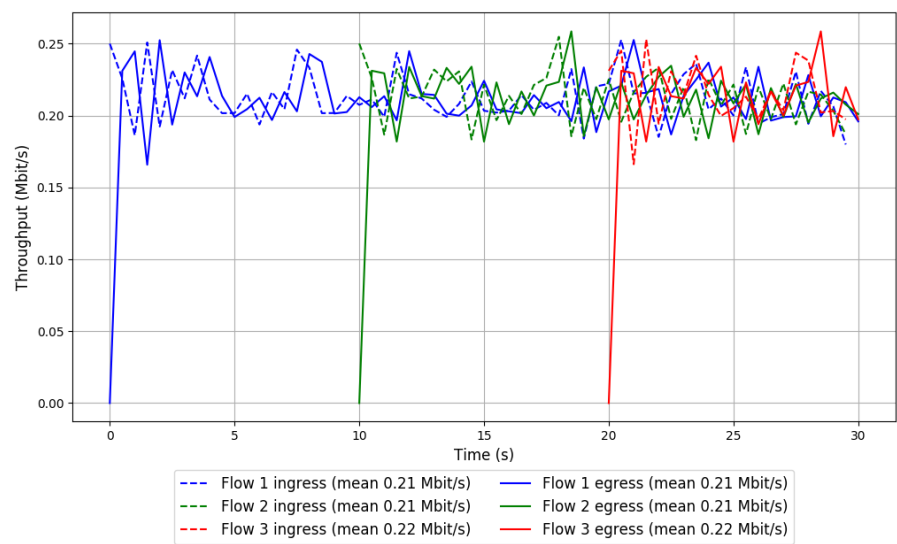


Run 9: Statistics of SReAM

Start at: 2018-08-22 05:46:06
End at: 2018-08-22 05:46:36
Local clock offset: 0.261 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2018-08-22 06:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.515 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

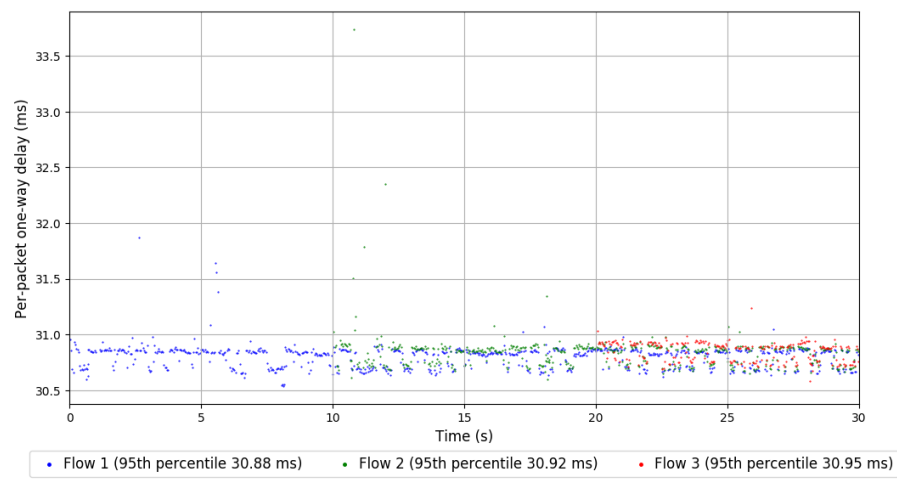
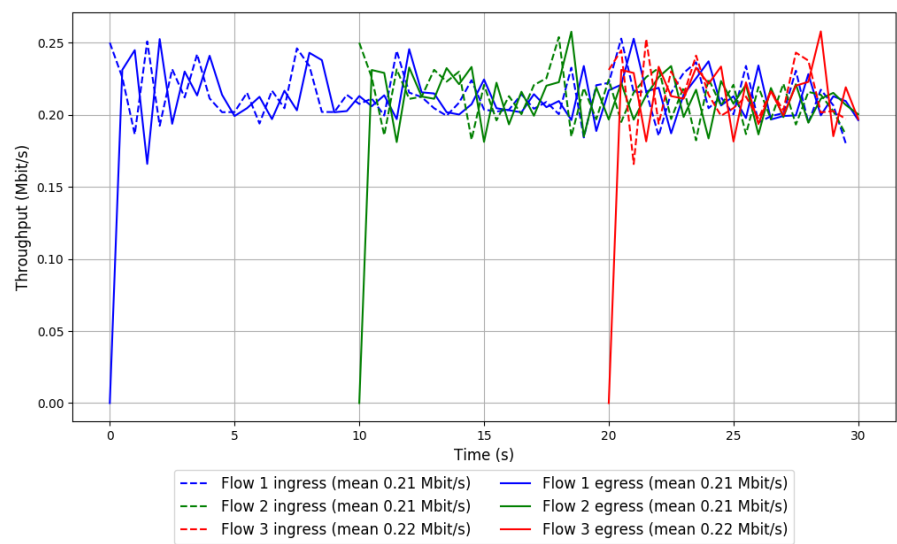


Run 10: Statistics of SCReAM

Start at: 2018-08-22 06:08:58
End at: 2018-08-22 06:09:28
Local clock offset: 0.039 ms
Remote clock offset: -1.151 ms

Below is generated by plot.py at 2018-08-22 06:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.945 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-22 02:40:25

End at: 2018-08-22 02:40:55

Local clock offset: 0.093 ms

Remote clock offset: -1.03 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.85 Mbit/s

95th percentile per-packet one-way delay: 37.626 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 37.383 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 38.088 ms

Loss rate: 0.00%

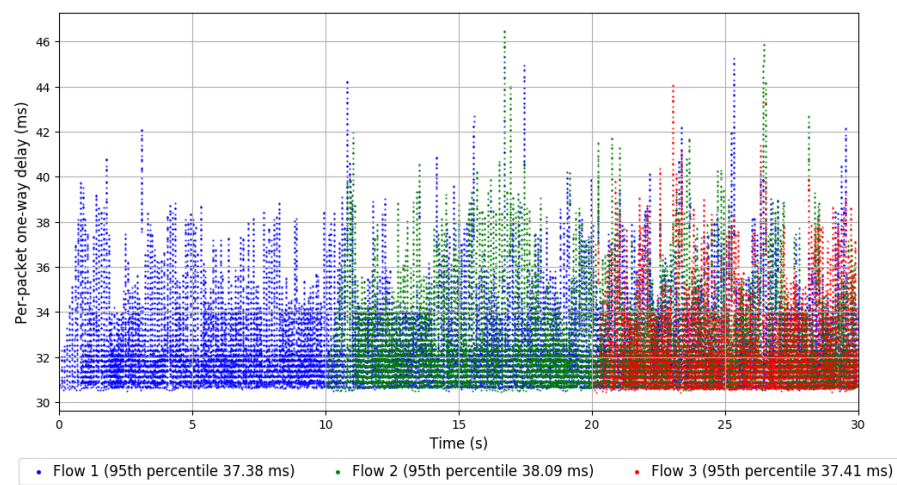
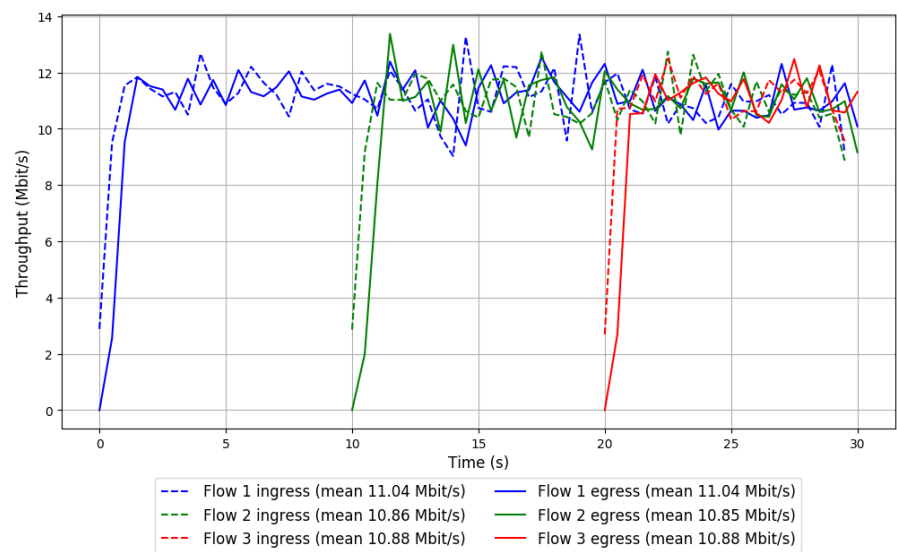
-- Flow 3:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 37.415 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

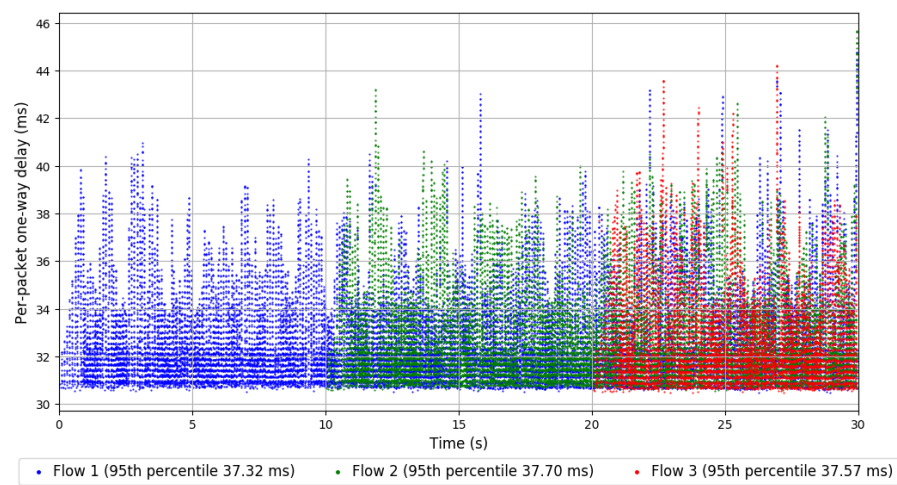
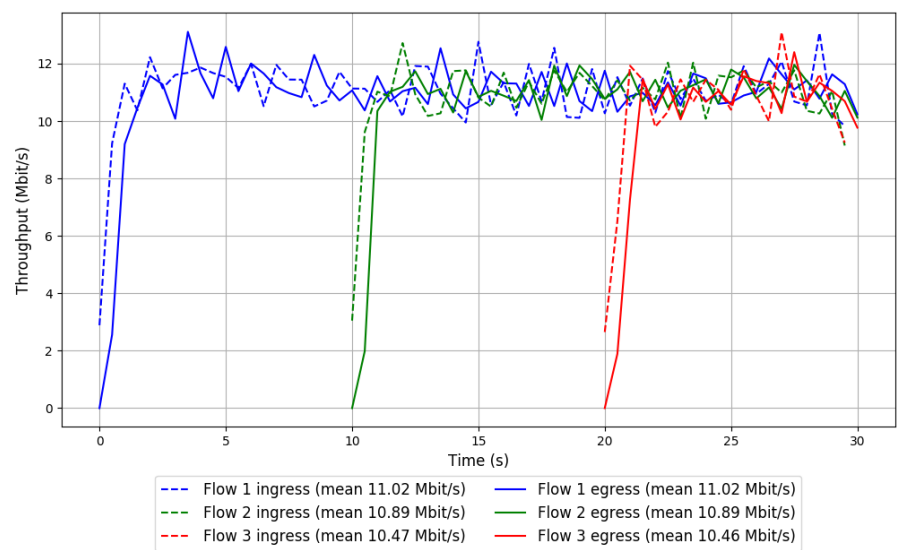


Run 2: Statistics of Sprout

Start at: 2018-08-22 03:03:25
End at: 2018-08-22 03:03:55
Local clock offset: -0.022 ms
Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-08-22 06:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 37.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 37.324 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 37.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 37.567 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

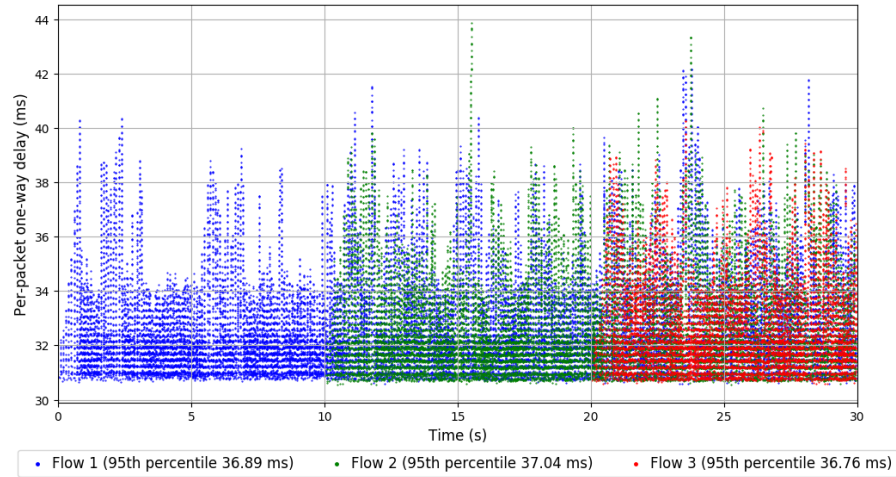
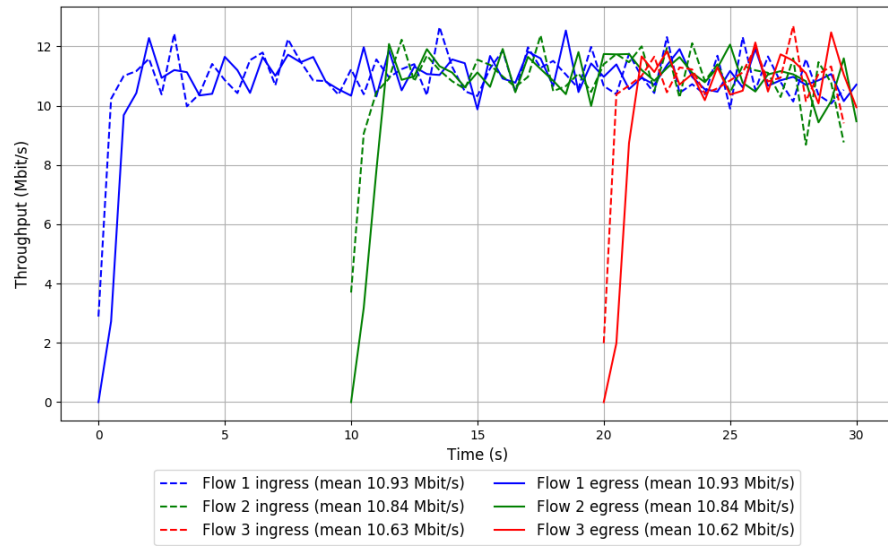


Run 3: Statistics of Sprout

Start at: 2018-08-22 03:26:45
End at: 2018-08-22 03:27:15
Local clock offset: 0.584 ms
Remote clock offset: 1.565 ms

```
# Below is generated by plot.py at 2018-08-22 06:37:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 36.974 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 36.891 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 37.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 36.764 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-22 03:49:47

End at: 2018-08-22 03:50:17

Local clock offset: 1.097 ms

Remote clock offset: 1.981 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.87 Mbit/s

95th percentile per-packet one-way delay: 37.454 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.07 Mbit/s

95th percentile per-packet one-way delay: 37.551 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 37.264 ms

Loss rate: 0.00%

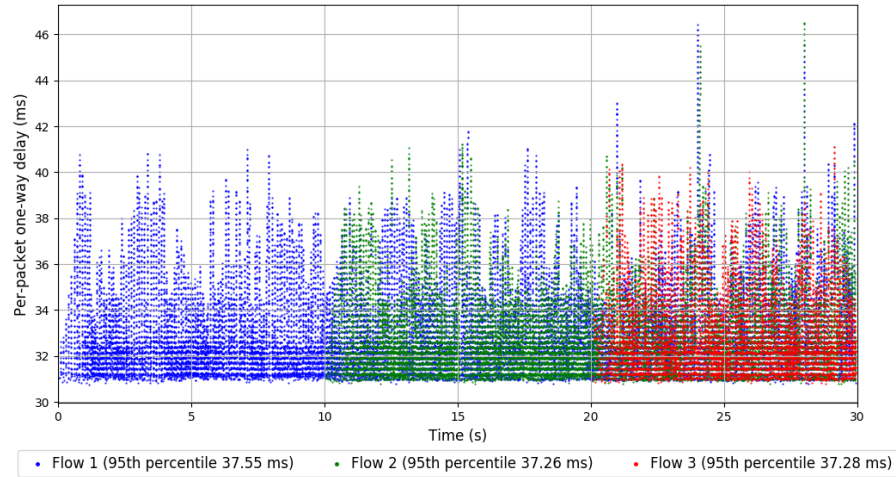
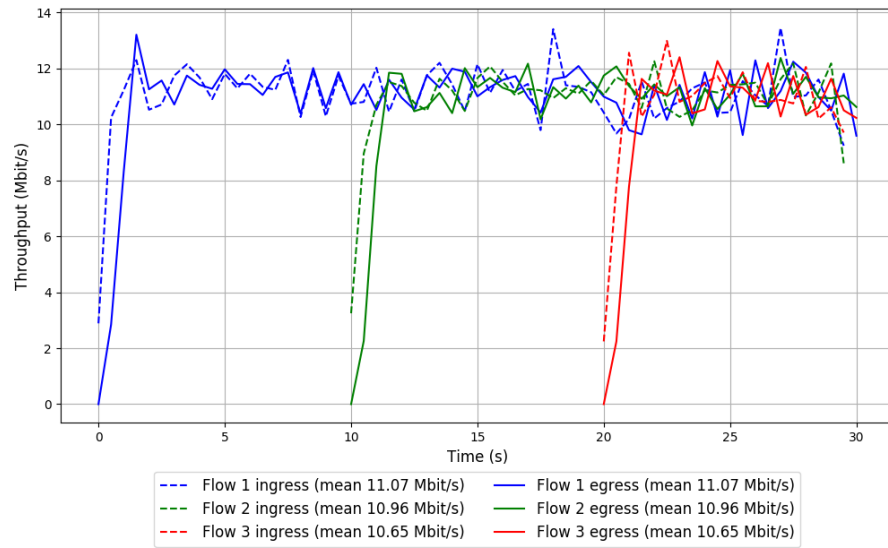
-- Flow 3:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 37.280 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-22 04:12:44

End at: 2018-08-22 04:13:14

Local clock offset: 0.77 ms

Remote clock offset: 1.911 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 37.177 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 37.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.87 Mbit/s

95th percentile per-packet one-way delay: 37.348 ms

Loss rate: 0.00%

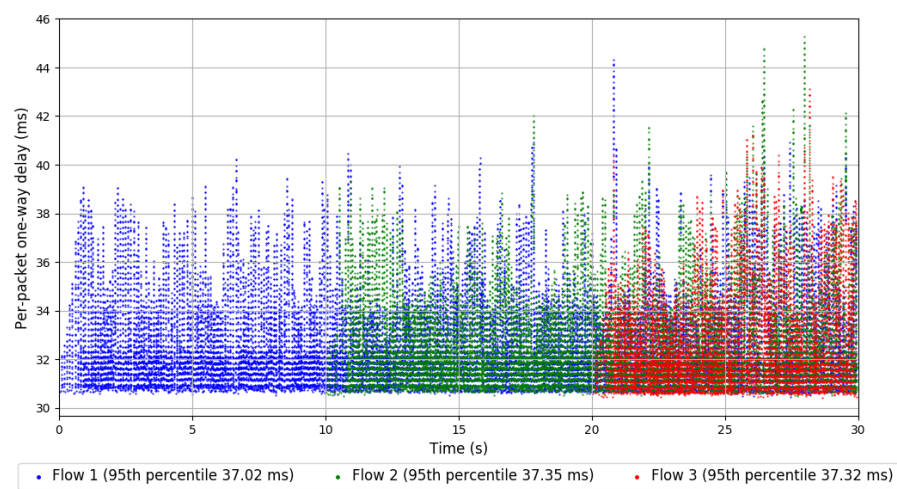
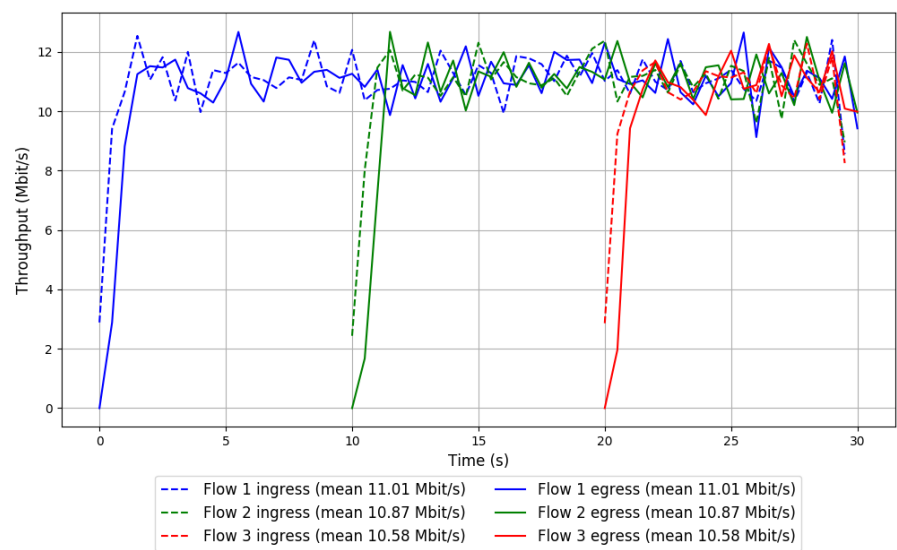
-- Flow 3:

Average throughput: 10.58 Mbit/s

95th percentile per-packet one-way delay: 37.323 ms

Loss rate: 0.05%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-22 04:35:50

End at: 2018-08-22 04:36:20

Local clock offset: 0.139 ms

Remote clock offset: 2.098 ms

Below is generated by plot.py at 2018-08-22 06:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.61 Mbit/s

95th percentile per-packet one-way delay: 36.907 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 37.008 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 36.850 ms

Loss rate: 0.08%

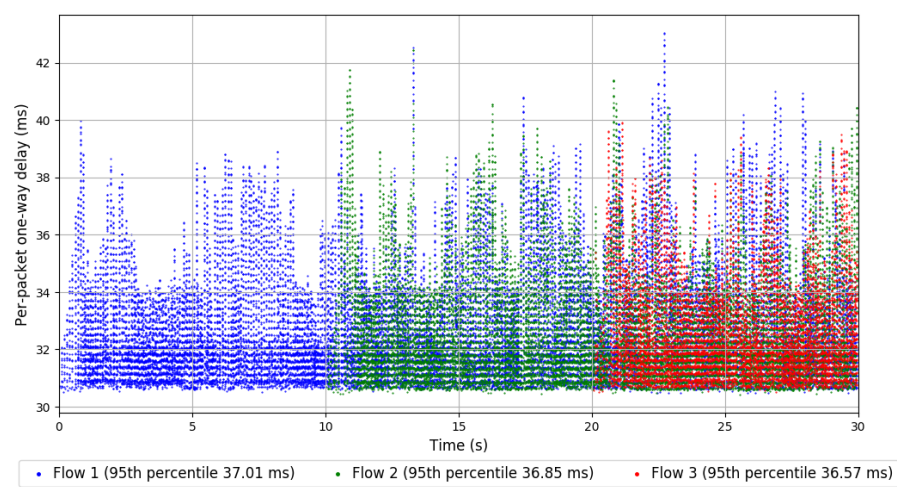
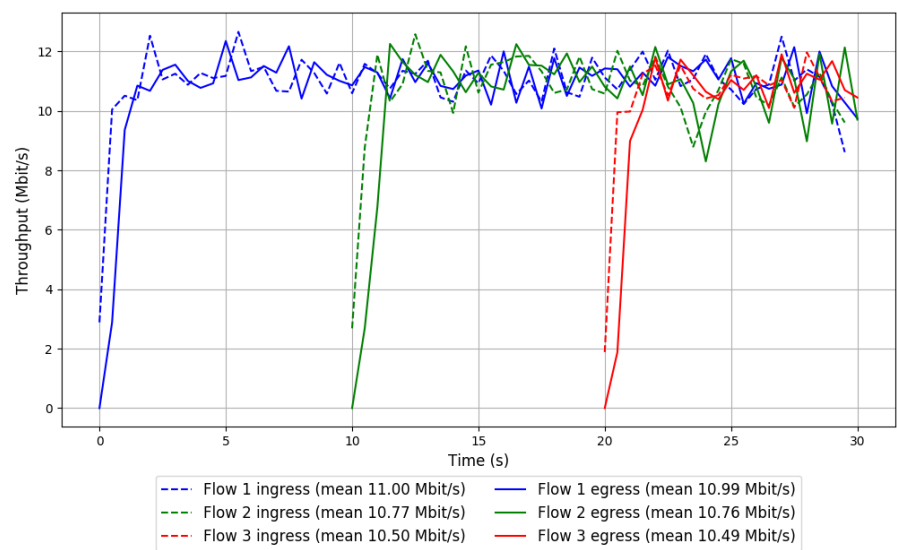
-- Flow 3:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 36.570 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

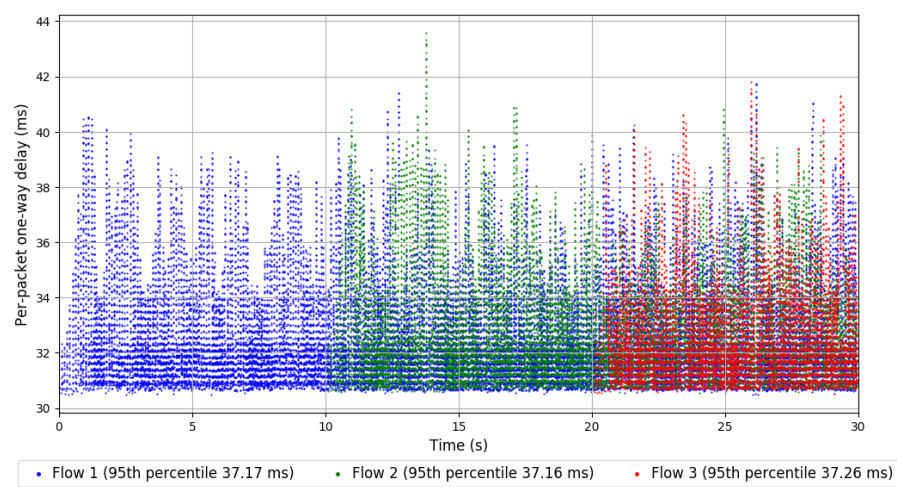
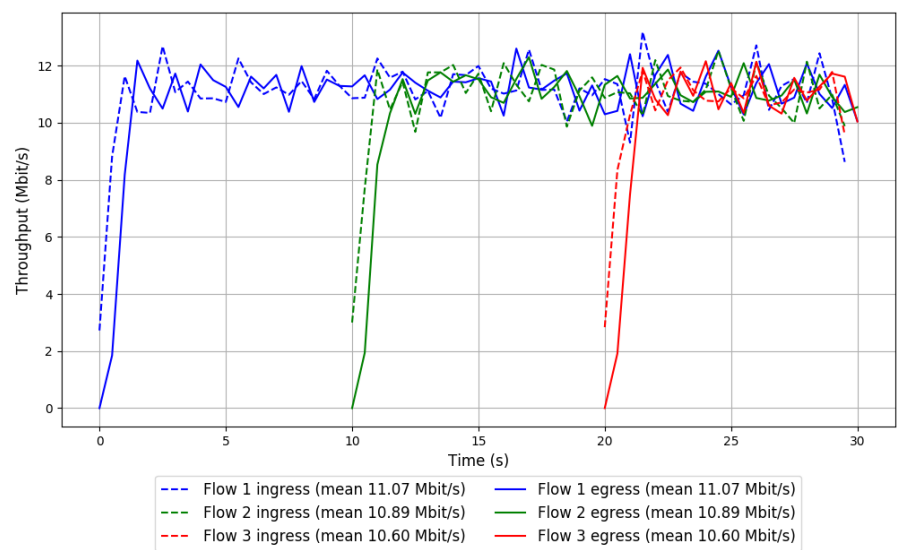


Run 7: Statistics of Sprout

Start at: 2018-08-22 04:58:47
End at: 2018-08-22 04:59:17
Local clock offset: 0.099 ms
Remote clock offset: 2.24 ms

Below is generated by plot.py at 2018-08-22 06:37:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 37.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 37.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 37.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 37.257 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

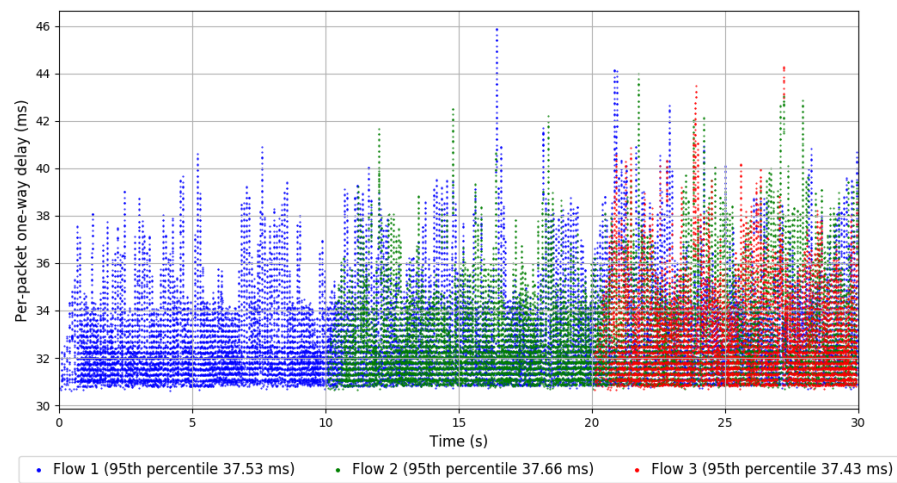
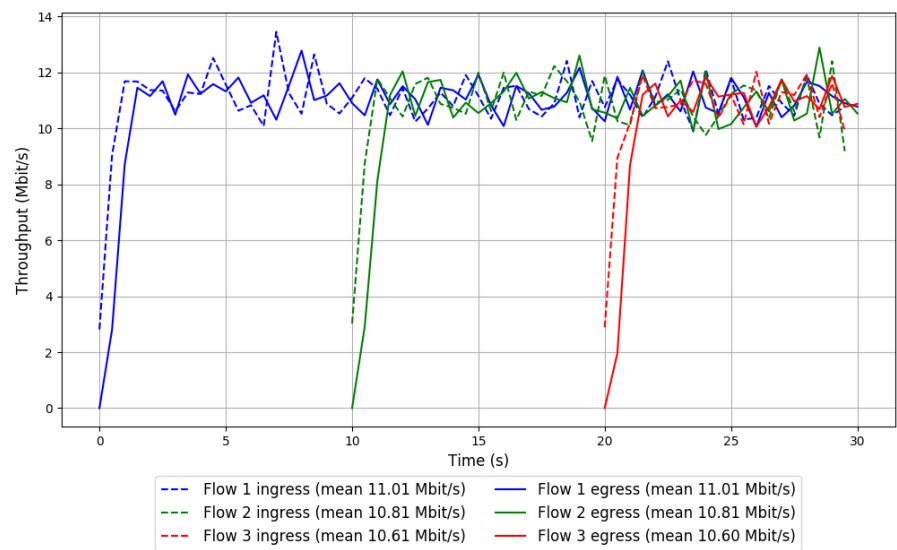


Run 8: Statistics of Sprout

Start at: 2018-08-22 05:21:54
End at: 2018-08-22 05:22:24
Local clock offset: 0.318 ms
Remote clock offset: -0.368 ms

```
# Below is generated by plot.py at 2018-08-22 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 37.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 37.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 37.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 37.433 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

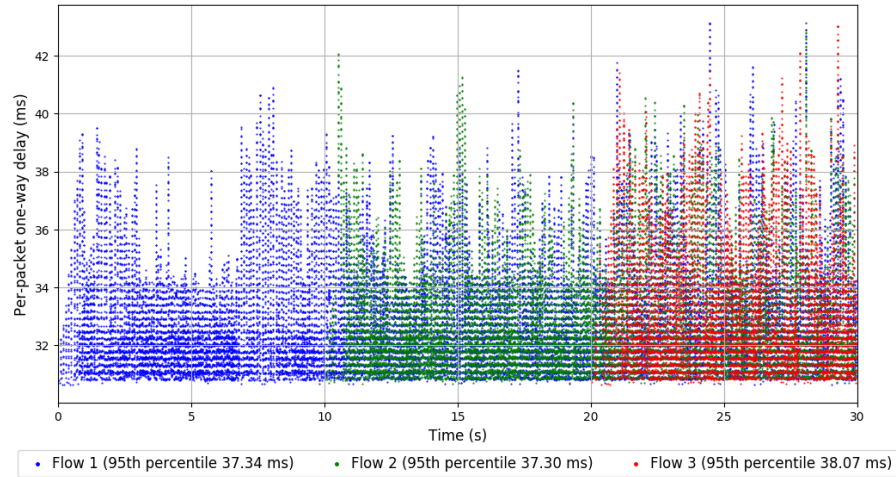
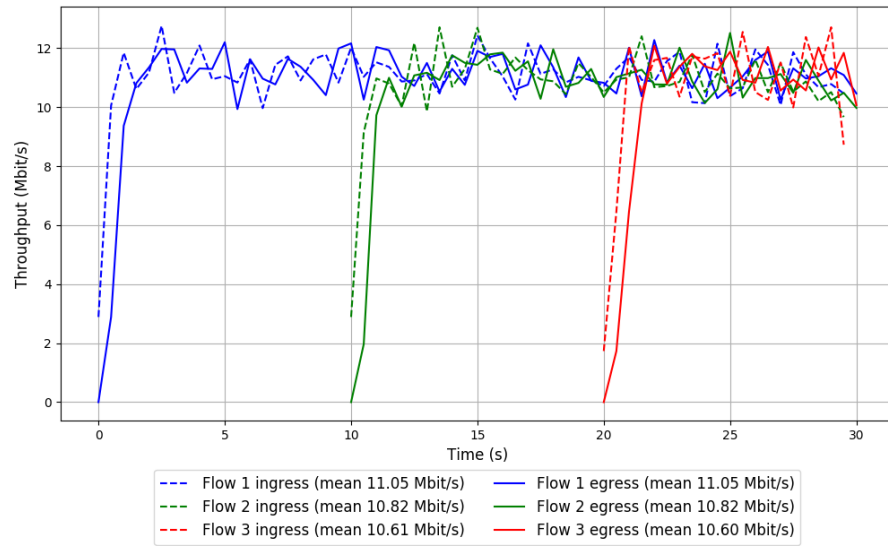


Run 9: Statistics of Sprout

Start at: 2018-08-22 05:44:48
End at: 2018-08-22 05:45:18
Local clock offset: 0.191 ms
Remote clock offset: -2.387 ms

Below is generated by plot.py at 2018-08-22 06:37:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 37.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 37.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 38.074 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

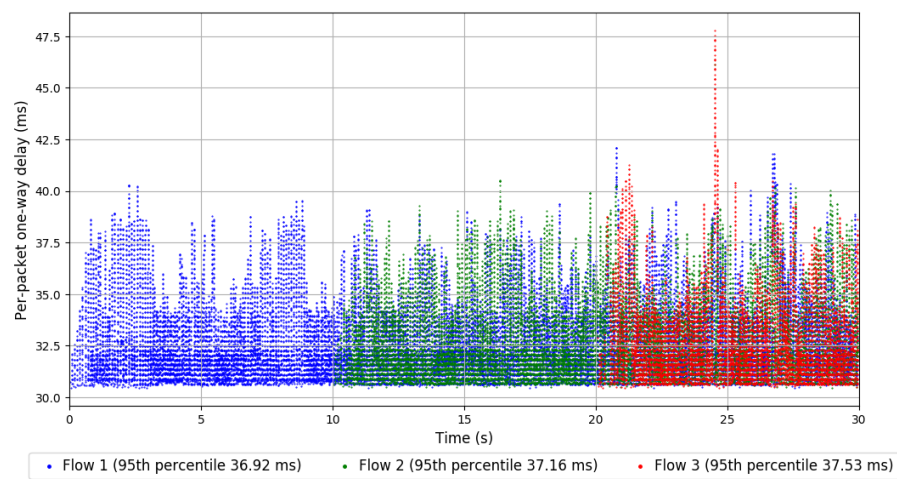
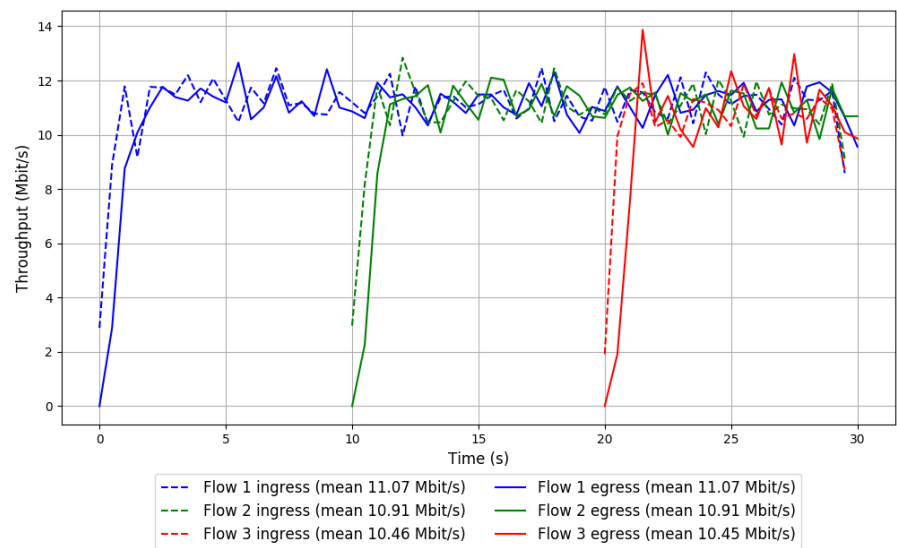


Run 10: Statistics of Sprout

Start at: 2018-08-22 06:07:39
End at: 2018-08-22 06:08:09
Local clock offset: 0.113 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2018-08-22 06:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 37.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 36.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 37.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 37.528 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

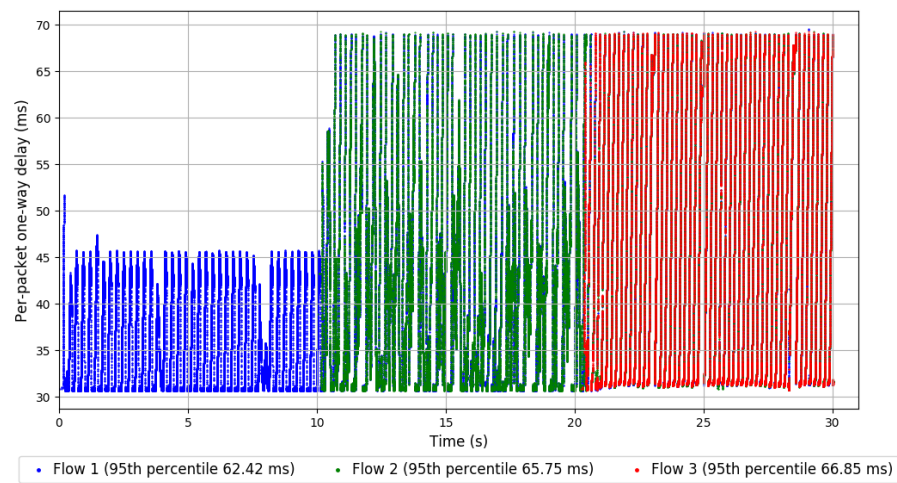
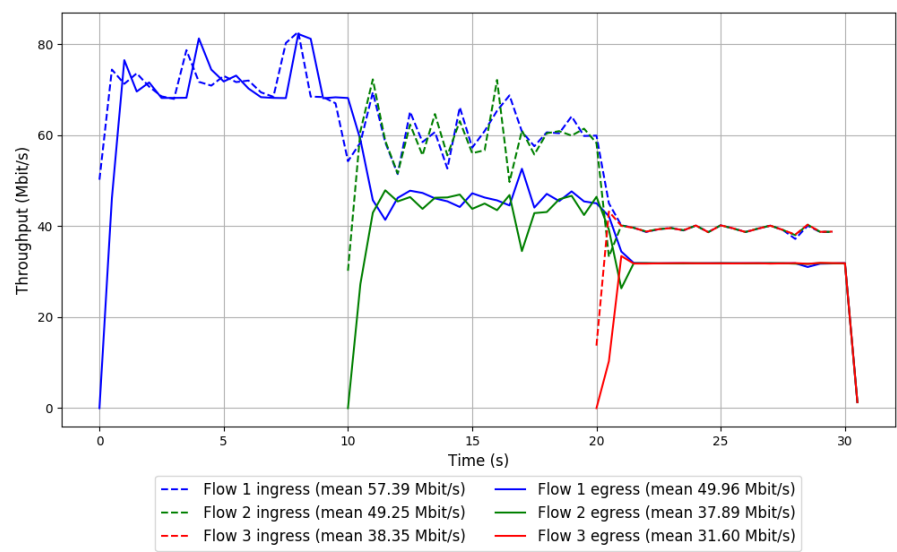


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 02:34:56
End at: 2018-08-22 02:35:26
Local clock offset: -0.01 ms
Remote clock offset: -0.991 ms

Below is generated by plot.py at 2018-08-22 06:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 64.848 ms
Loss rate: 16.96%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 62.420 ms
Loss rate: 12.94%
-- Flow 2:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 65.746 ms
Loss rate: 23.10%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 66.854 ms
Loss rate: 19.25%

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

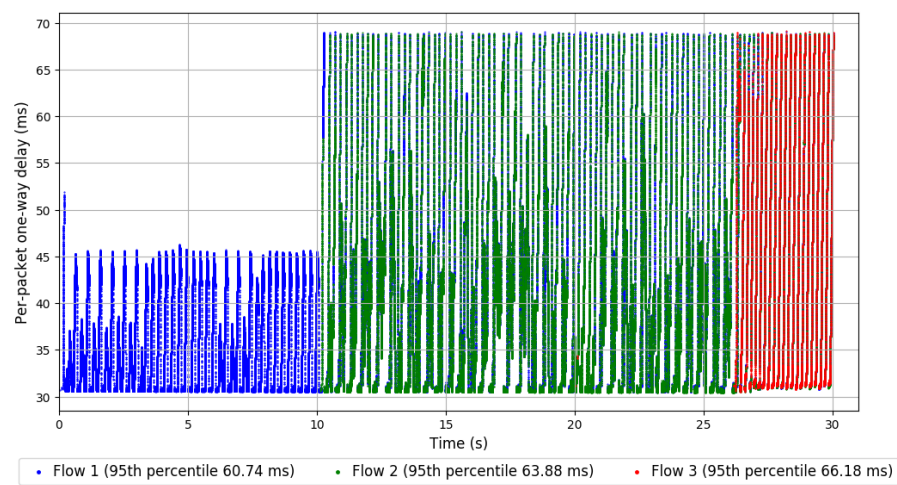
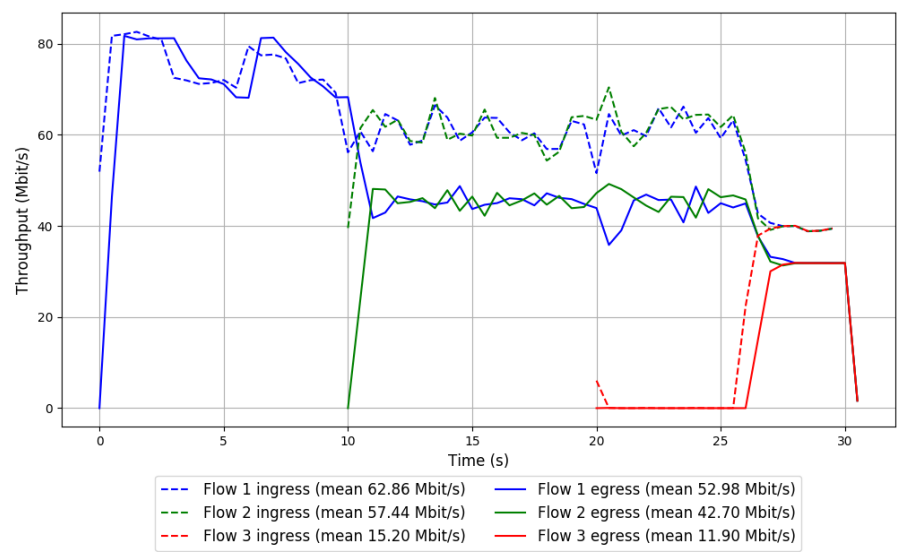


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 02:57:55
End at: 2018-08-22 02:58:25
Local clock offset: 0.016 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-08-22 06:39:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 62.540 ms
Loss rate: 19.58%
-- Flow 1:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 60.743 ms
Loss rate: 15.70%
-- Flow 2:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 63.876 ms
Loss rate: 25.68%
-- Flow 3:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 66.176 ms
Loss rate: 21.63%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 03:21:13

End at: 2018-08-22 03:21:43

Local clock offset: 0.327 ms

Remote clock offset: 1.399 ms

Below is generated by plot.py at 2018-08-22 06:39:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 64.041 ms

Loss rate: 16.31%

-- Flow 1:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 61.420 ms

Loss rate: 12.33%

-- Flow 2:

Average throughput: 38.70 Mbit/s

95th percentile per-packet one-way delay: 65.165 ms

Loss rate: 22.11%

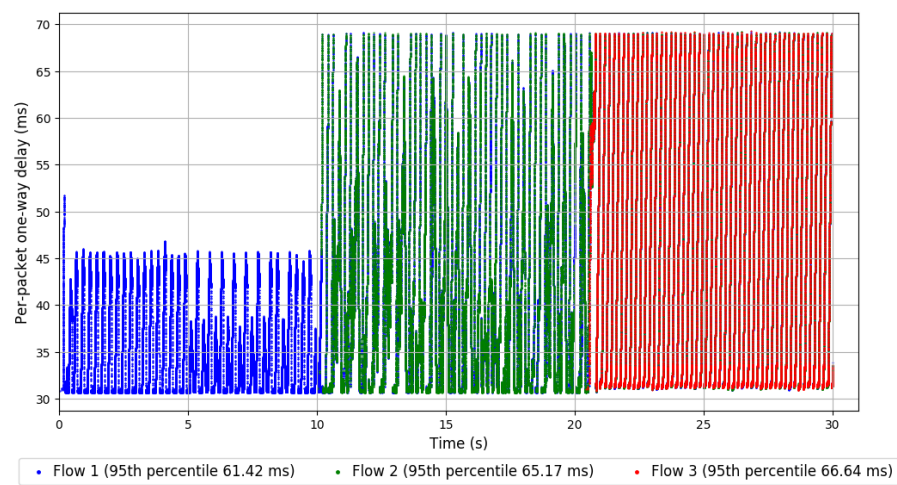
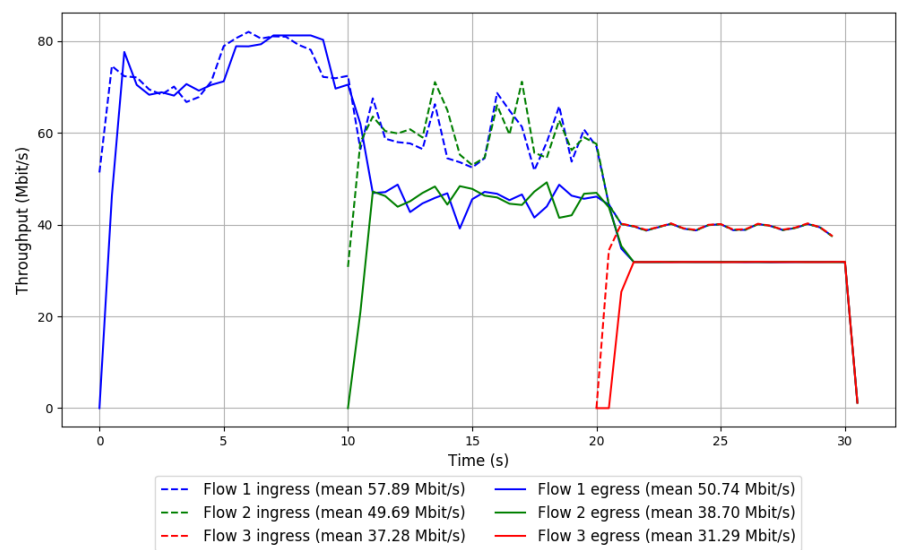
-- Flow 3:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 66.641 ms

Loss rate: 19.40%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 03:44:15

End at: 2018-08-22 03:44:45

Local clock offset: 1.081 ms

Remote clock offset: 1.799 ms

Below is generated by plot.py at 2018-08-22 06:39:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 64.759 ms

Loss rate: 17.39%

-- Flow 1:

Average throughput: 48.91 Mbit/s

95th percentile per-packet one-way delay: 62.476 ms

Loss rate: 13.84%

-- Flow 2:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 65.754 ms

Loss rate: 22.70%

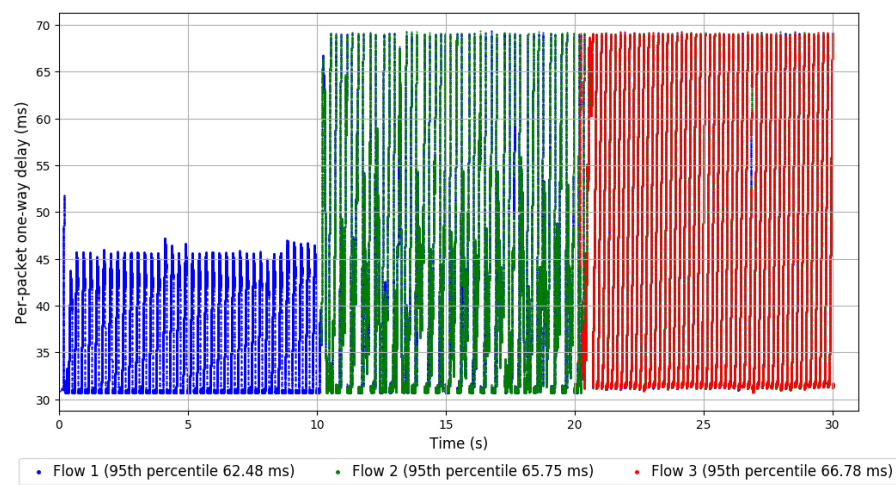
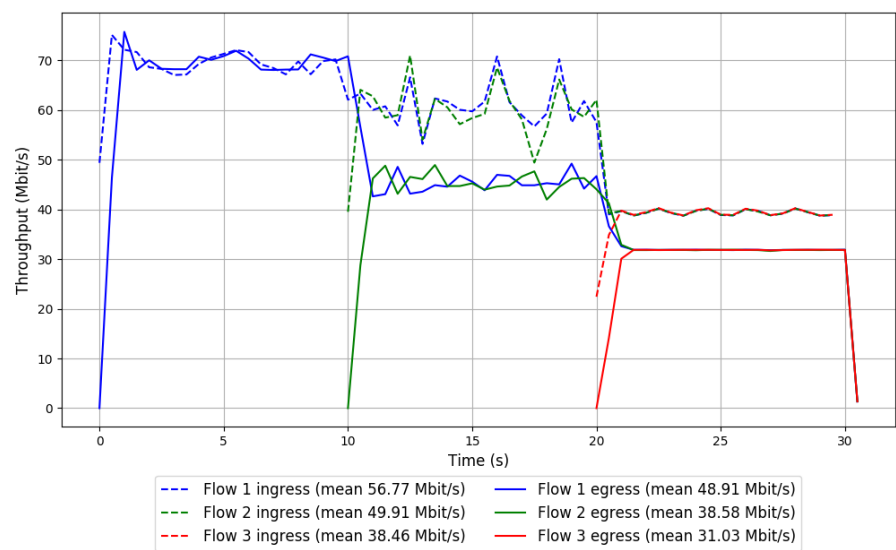
-- Flow 3:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 66.776 ms

Loss rate: 19.32%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 04:07:16

End at: 2018-08-22 04:07:46

Local clock offset: 1.411 ms

Remote clock offset: 2.056 ms

Below is generated by plot.py at 2018-08-22 06:40:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 64.217 ms

Loss rate: 16.78%

-- Flow 1:

Average throughput: 52.30 Mbit/s

95th percentile per-packet one-way delay: 61.435 ms

Loss rate: 12.84%

-- Flow 2:

Average throughput: 38.18 Mbit/s

95th percentile per-packet one-way delay: 65.532 ms

Loss rate: 23.02%

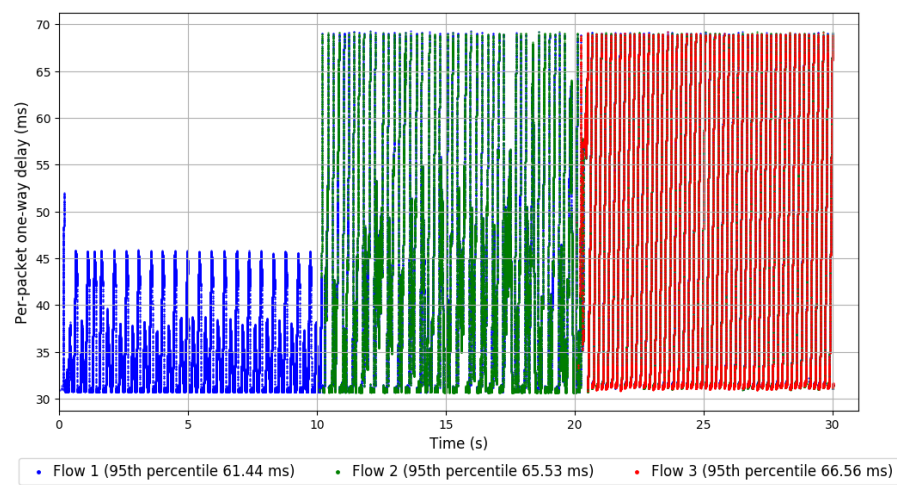
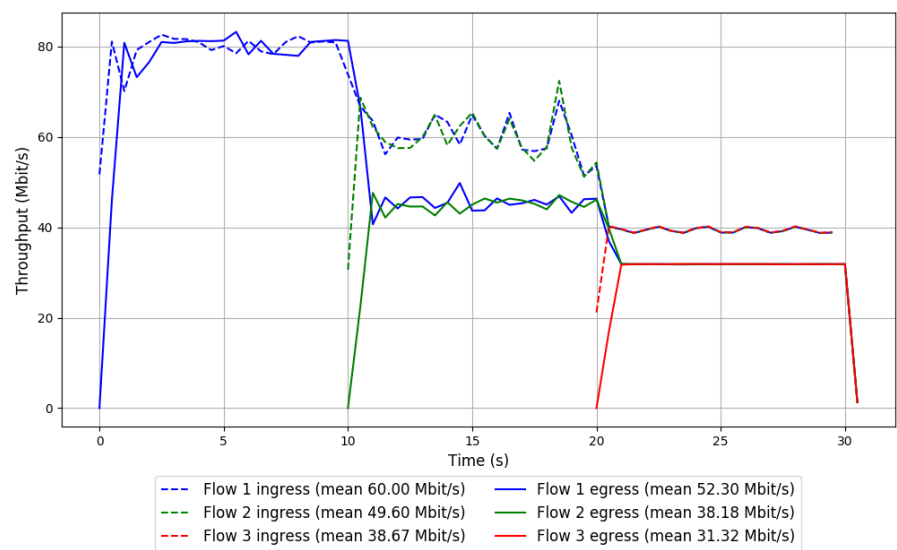
-- Flow 3:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 66.564 ms

Loss rate: 19.15%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 04:30:11

End at: 2018-08-22 04:30:41

Local clock offset: 0.19 ms

Remote clock offset: 2.135 ms

Below is generated by plot.py at 2018-08-22 06:40:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 64.070 ms

Loss rate: 16.82%

-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 61.199 ms

Loss rate: 13.00%

-- Flow 2:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 65.256 ms

Loss rate: 22.70%

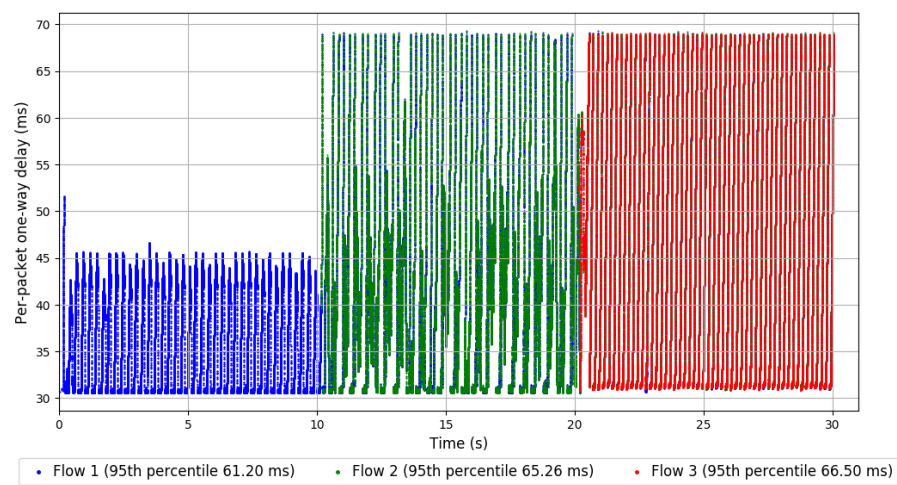
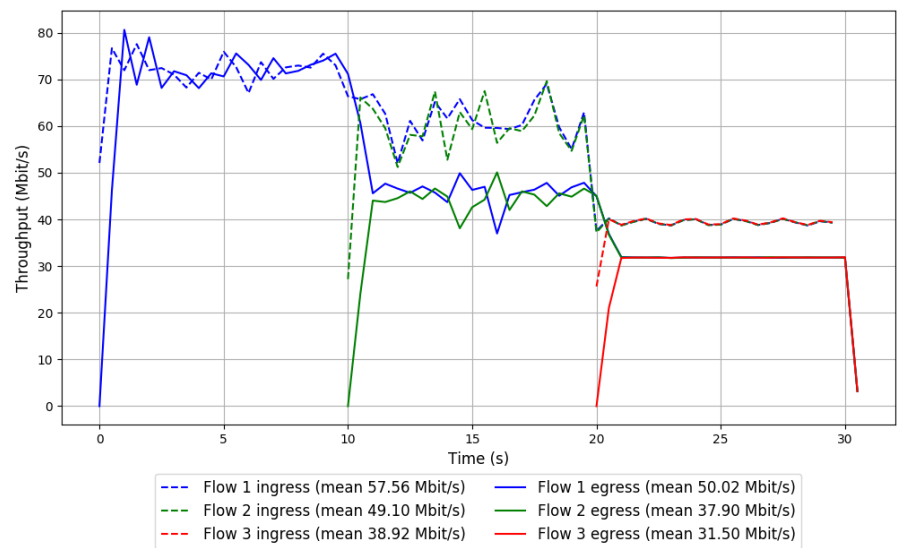
-- Flow 3:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 66.505 ms

Loss rate: 18.94%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 04:53:21

End at: 2018-08-22 04:53:51

Local clock offset: 0.088 ms

Remote clock offset: 2.004 ms

Below is generated by plot.py at 2018-08-22 06:40:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 63.726 ms

Loss rate: 15.96%

-- Flow 1:

Average throughput: 52.28 Mbit/s

95th percentile per-packet one-way delay: 61.045 ms

Loss rate: 12.24%

-- Flow 2:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 65.050 ms

Loss rate: 21.62%

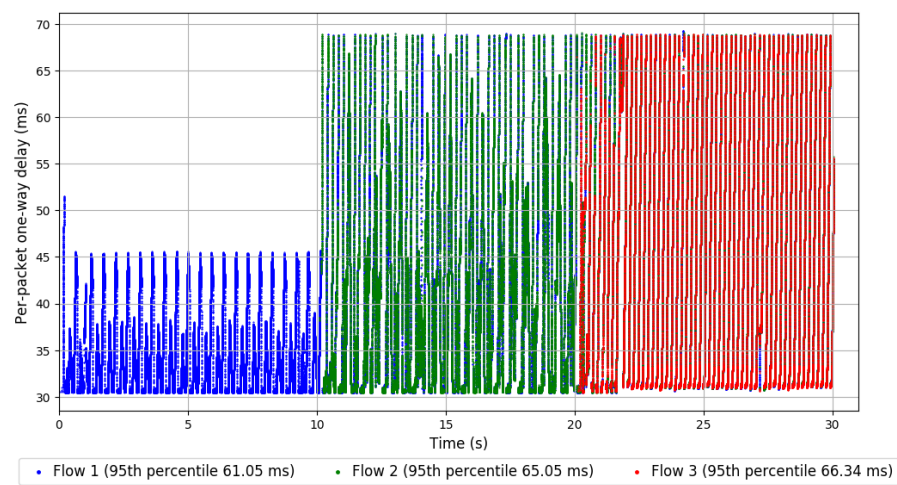
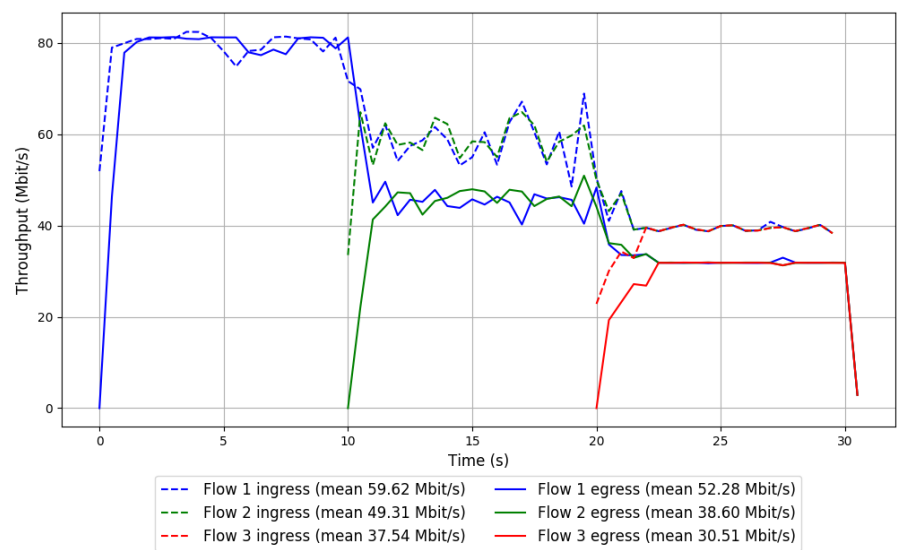
-- Flow 3:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 66.343 ms

Loss rate: 18.83%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 05:16:27

End at: 2018-08-22 05:16:57

Local clock offset: 0.371 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2018-08-22 06:40:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.09 Mbit/s

95th percentile per-packet one-way delay: 64.357 ms

Loss rate: 17.05%

-- Flow 1:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 62.429 ms

Loss rate: 12.95%

-- Flow 2:

Average throughput: 38.19 Mbit/s

95th percentile per-packet one-way delay: 65.262 ms

Loss rate: 23.42%

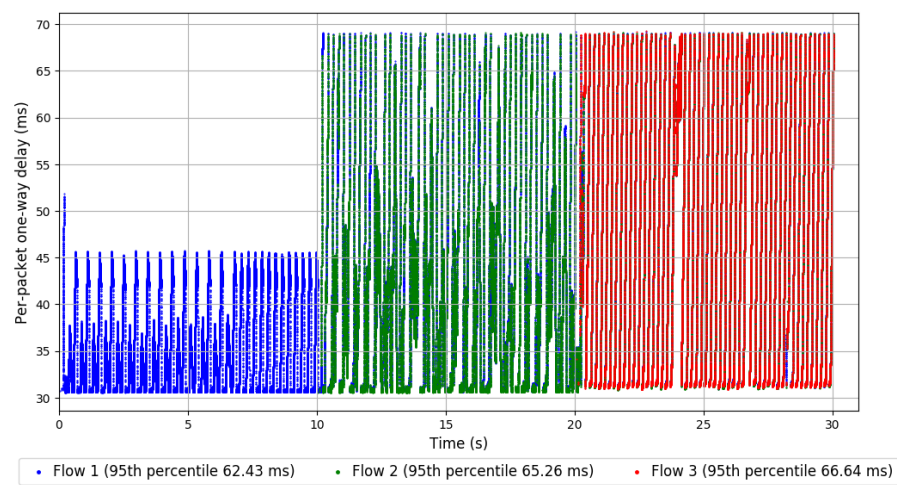
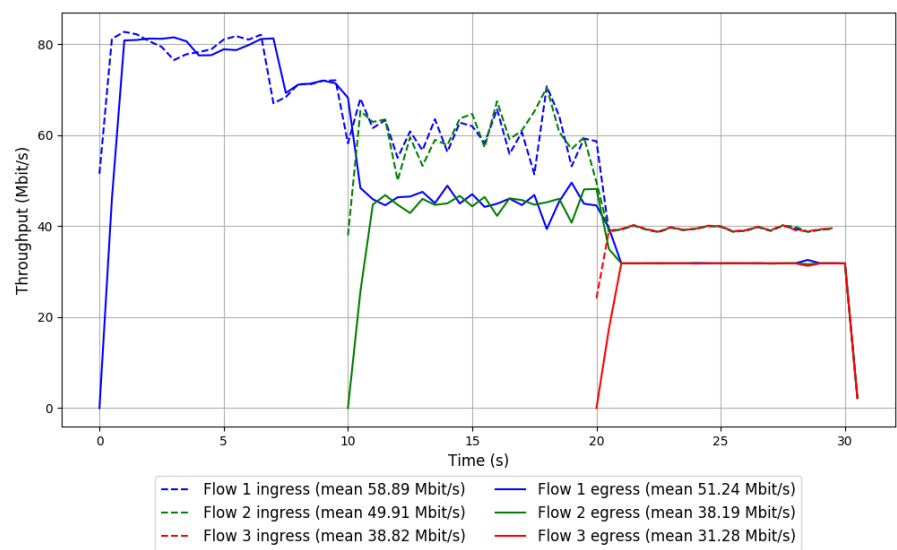
-- Flow 3:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 66.643 ms

Loss rate: 19.35%

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

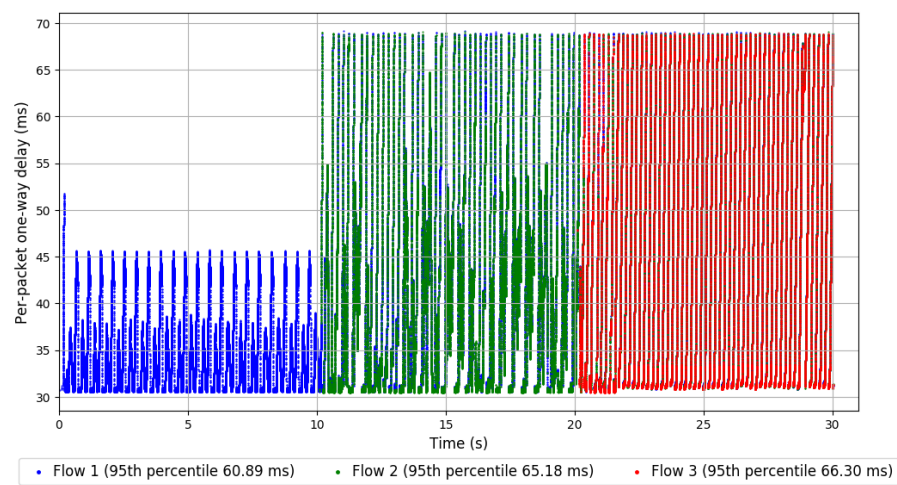
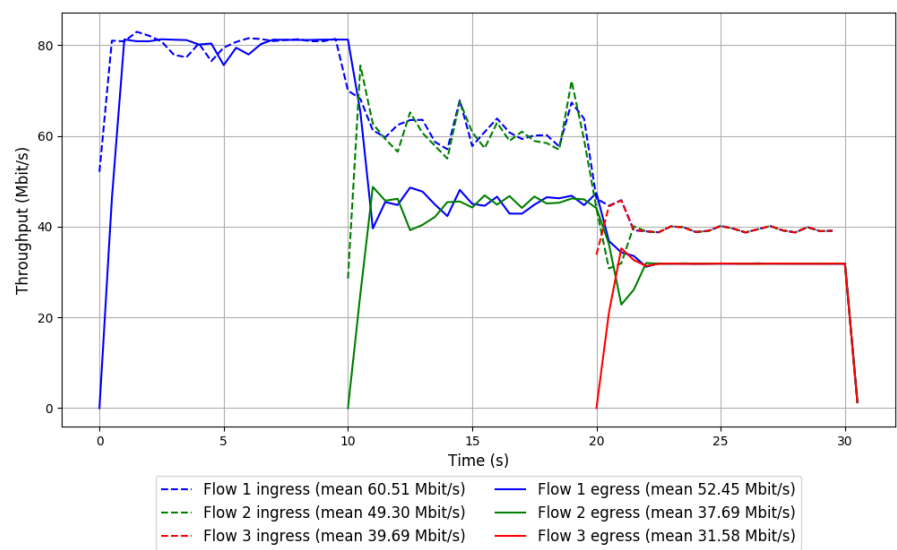


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 05:39:22
End at: 2018-08-22 05:39:52
Local clock offset: 0.409 ms
Remote clock offset: -2.234 ms

Below is generated by plot.py at 2018-08-22 06:41:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 63.762 ms
Loss rate: 17.36%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 60.890 ms
Loss rate: 13.32%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 65.182 ms
Loss rate: 23.57%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 66.295 ms
Loss rate: 20.44%

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

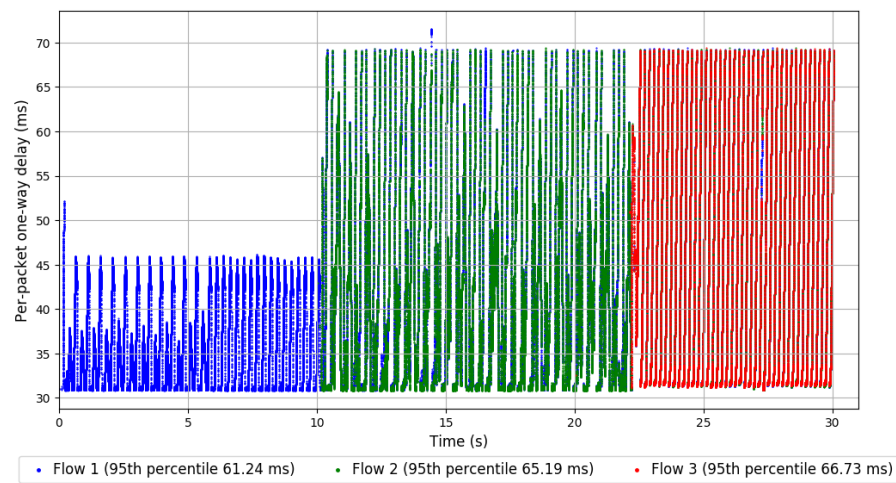
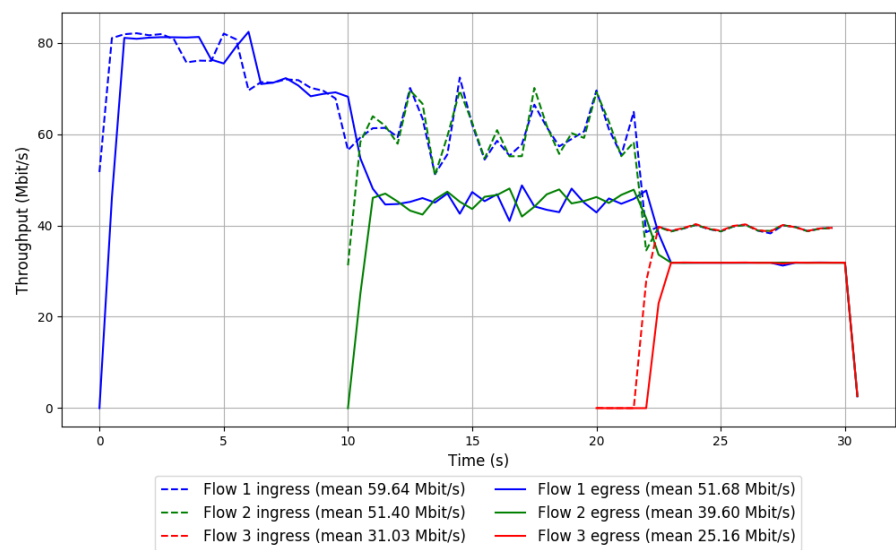


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 06:02:13
End at: 2018-08-22 06:02:43
Local clock offset: 0.026 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2018-08-22 06:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 63.948 ms
Loss rate: 17.00%
-- Flow 1:
Average throughput: 51.68 Mbit/s
95th percentile per-packet one-way delay: 61.238 ms
Loss rate: 13.29%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 22.93%
-- Flow 3:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 66.732 ms
Loss rate: 18.77%

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

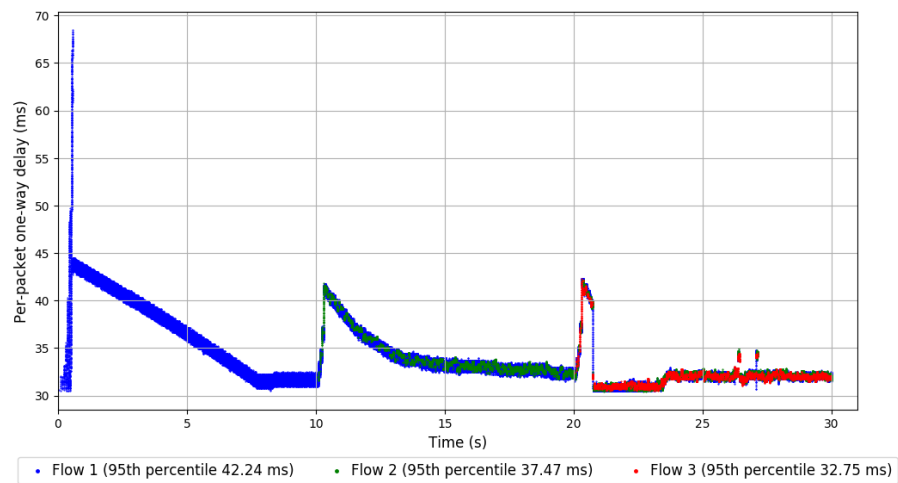
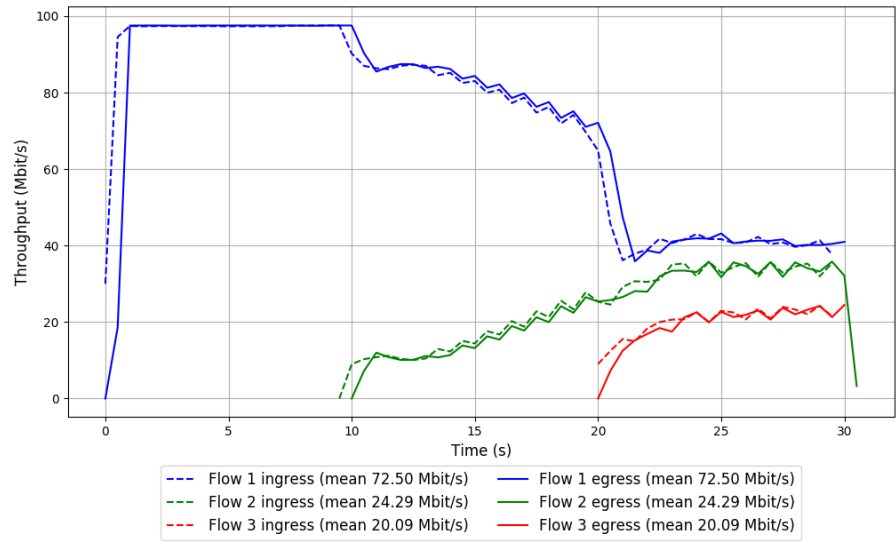


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 02:33:35
End at: 2018-08-22 02:34:05
Local clock offset: -0.001 ms
Remote clock offset: -1.247 ms

Below is generated by plot.py at 2018-08-22 06:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 41.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.50 Mbit/s
95th percentile per-packet one-way delay: 42.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 37.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 32.750 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

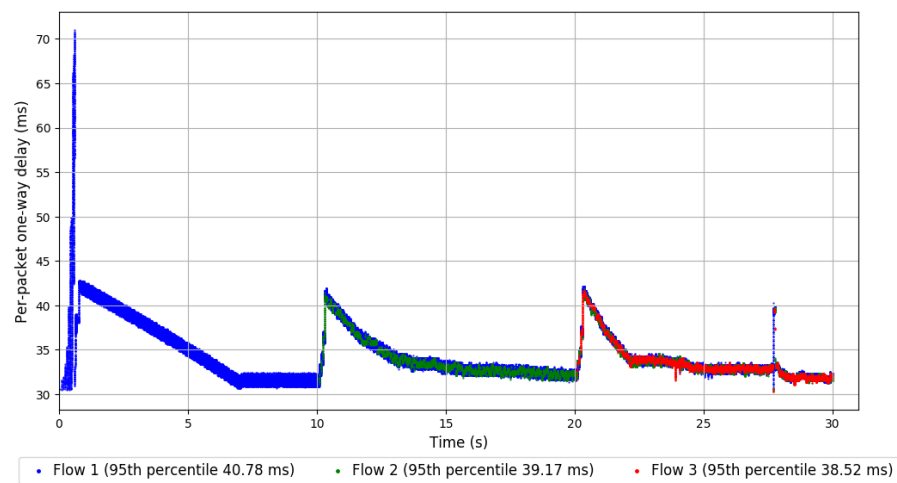
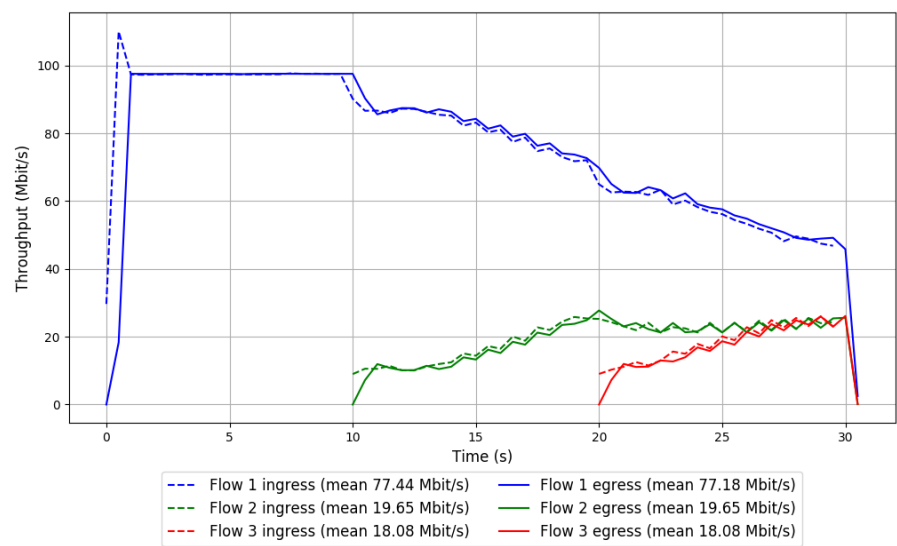


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 02:56:34
End at: 2018-08-22 02:57:04
Local clock offset: 0.1 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-08-22 06:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 40.630 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 40.780 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 39.175 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 38.520 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 03:19:51

End at: 2018-08-22 03:20:21

Local clock offset: 0.273 ms

Remote clock offset: 1.381 ms

Below is generated by plot.py at 2018-08-22 06:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 41.663 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 77.04 Mbit/s

95th percentile per-packet one-way delay: 41.938 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 18.89 Mbit/s

95th percentile per-packet one-way delay: 39.418 ms

Loss rate: 0.00%

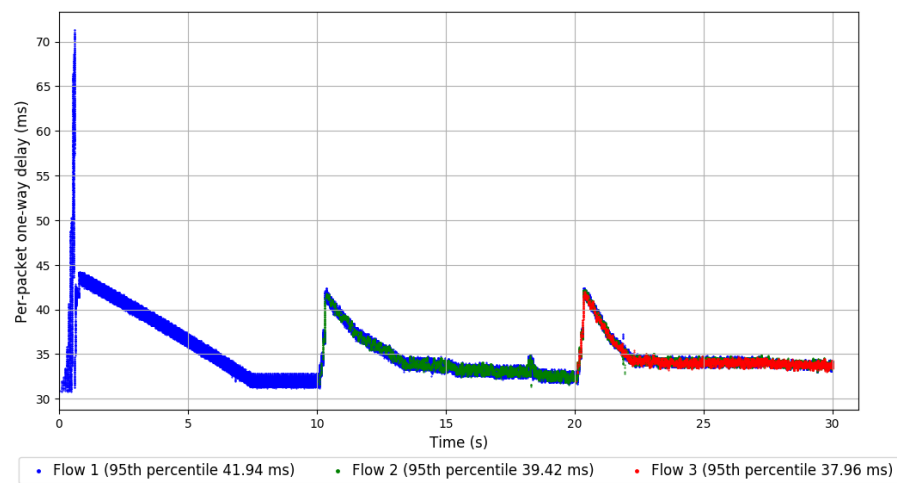
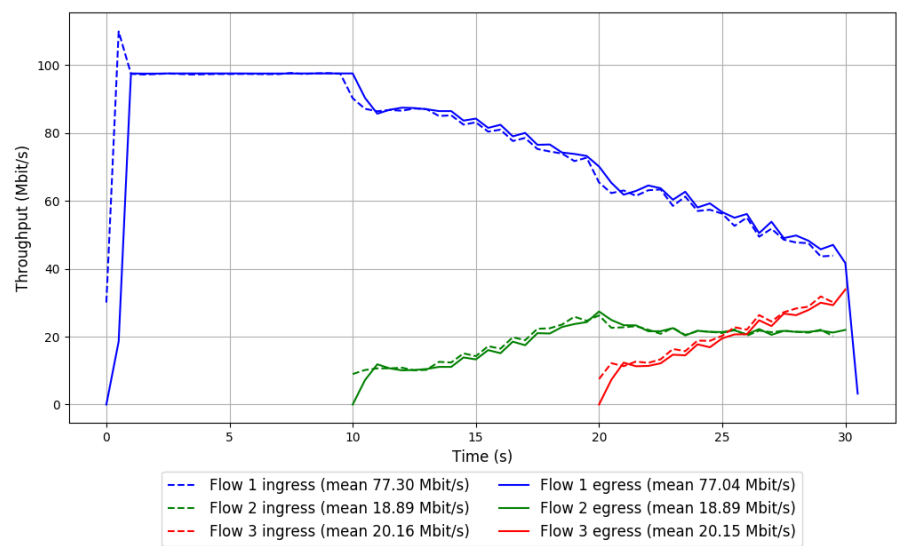
-- Flow 3:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 37.963 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 03:42:54

End at: 2018-08-22 03:43:24

Local clock offset: 1.047 ms

Remote clock offset: 1.731 ms

Below is generated by plot.py at 2018-08-22 06:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 57.524 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 57.471 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 34.31 Mbit/s

95th percentile per-packet one-way delay: 58.483 ms

Loss rate: 0.00%

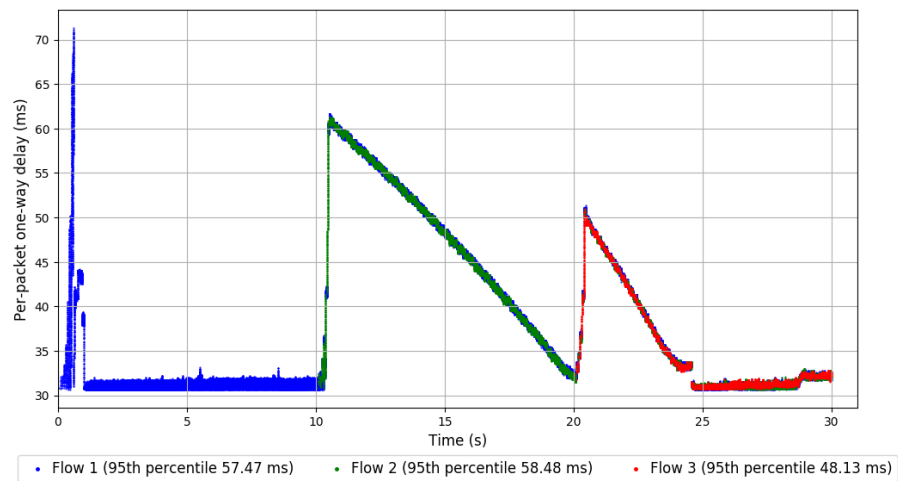
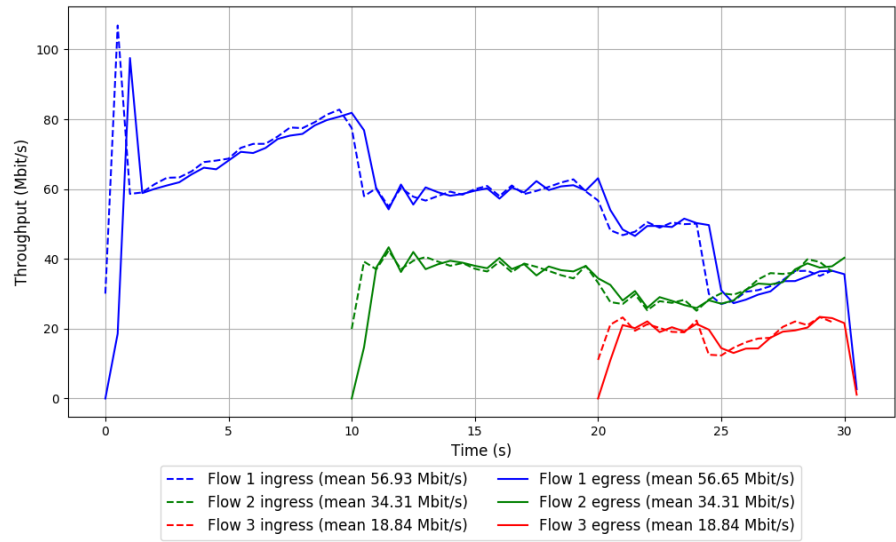
-- Flow 3:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 48.133 ms

Loss rate: 0.03%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 04:05:56

End at: 2018-08-22 04:06:26

Local clock offset: 1.496 ms

Remote clock offset: 1.788 ms

Below is generated by plot.py at 2018-08-22 06:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 40.643 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 40.855 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 39.168 ms

Loss rate: 0.00%

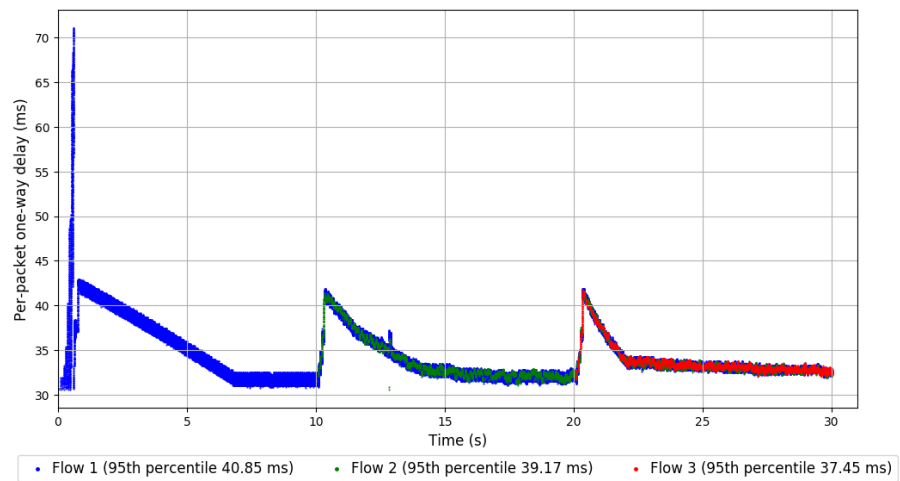
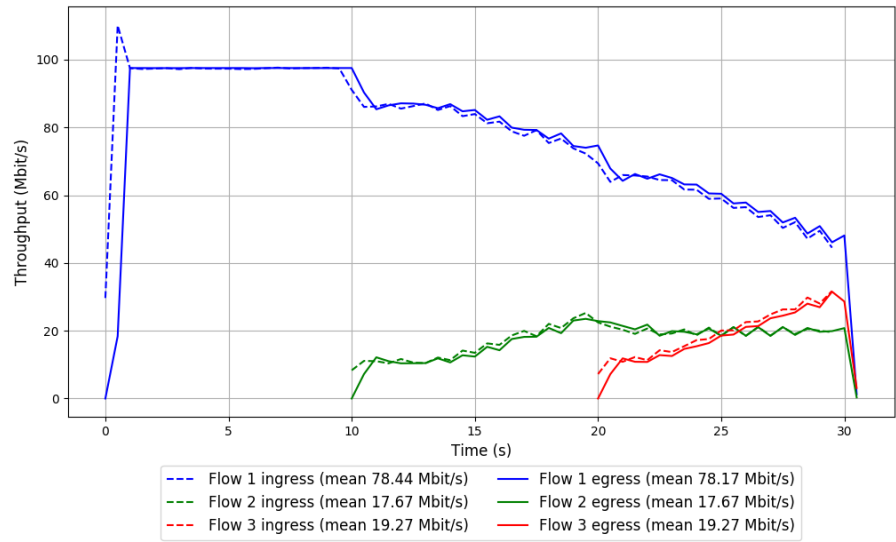
-- Flow 3:

Average throughput: 19.27 Mbit/s

95th percentile per-packet one-way delay: 37.446 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 04:28:49

End at: 2018-08-22 04:29:19

Local clock offset: 0.197 ms

Remote clock offset: 2.205 ms

Below is generated by plot.py at 2018-08-22 06:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 41.703 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 41.987 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.09 Mbit/s

95th percentile per-packet one-way delay: 39.911 ms

Loss rate: 0.00%

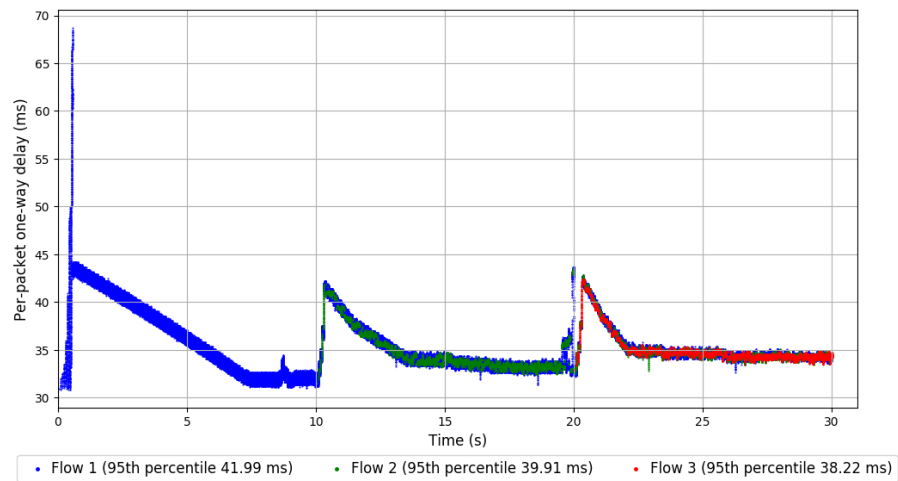
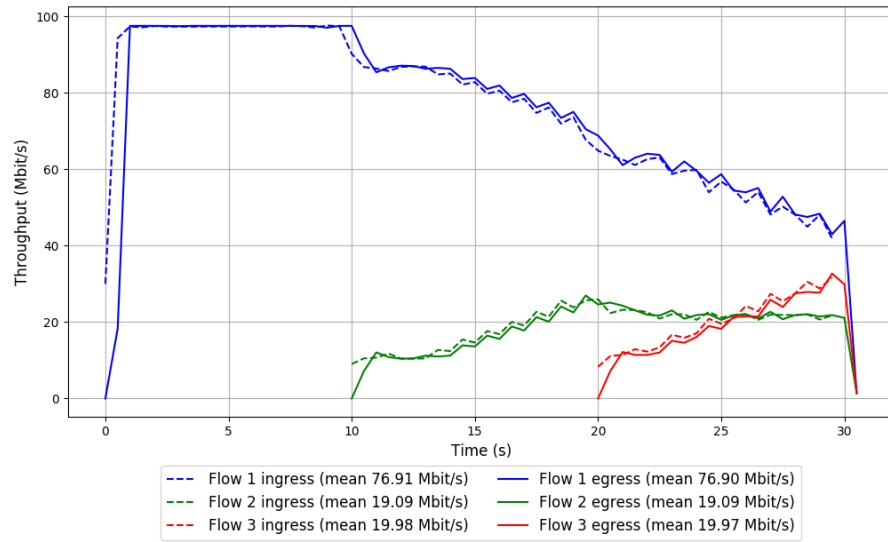
-- Flow 3:

Average throughput: 19.97 Mbit/s

95th percentile per-packet one-way delay: 38.221 ms

Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 04:52:01

End at: 2018-08-22 04:52:31

Local clock offset: 0.18 ms

Remote clock offset: 2.291 ms

Below is generated by plot.py at 2018-08-22 06:42:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 42.254 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 42.519 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 18.41 Mbit/s

95th percentile per-packet one-way delay: 40.325 ms

Loss rate: 0.01%

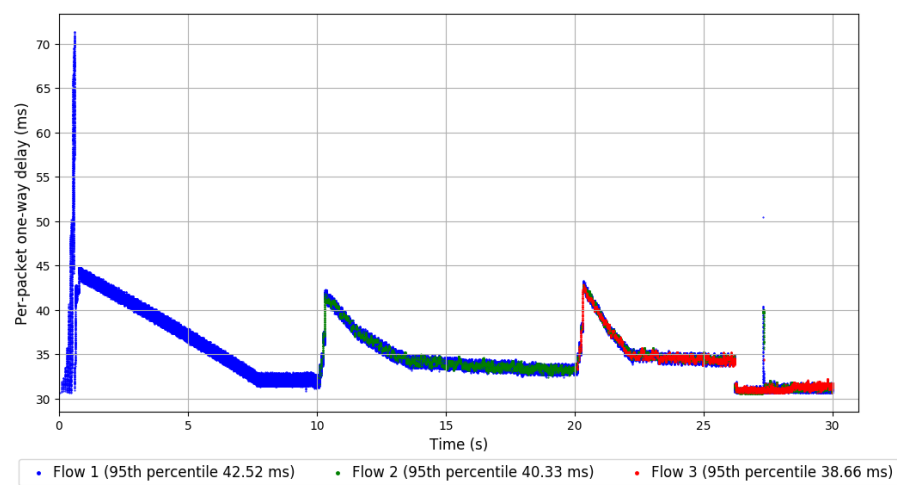
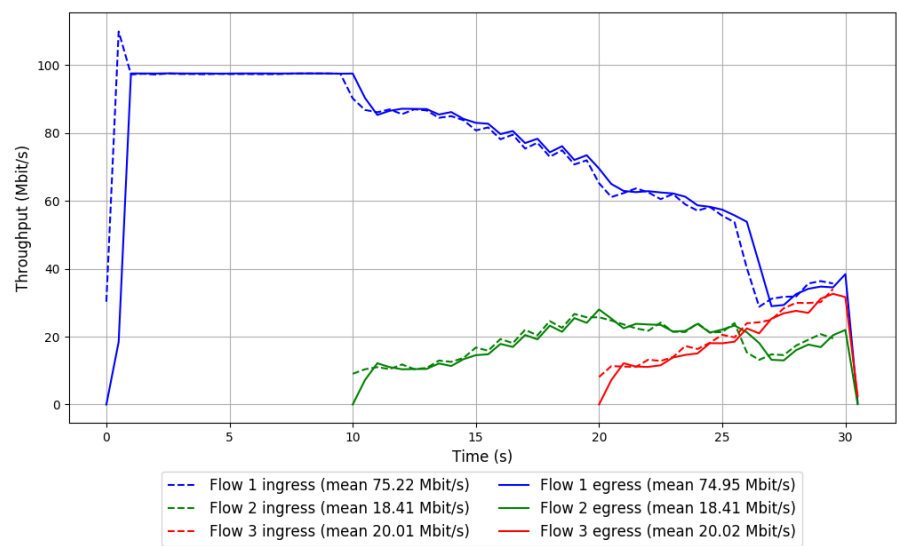
-- Flow 3:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 38.665 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 05:15:05

End at: 2018-08-22 05:15:35

Local clock offset: 0.349 ms

Remote clock offset: 1.203 ms

Below is generated by plot.py at 2018-08-22 06:42:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 42.101 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.76 Mbit/s

95th percentile per-packet one-way delay: 42.345 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 40.261 ms

Loss rate: 0.00%

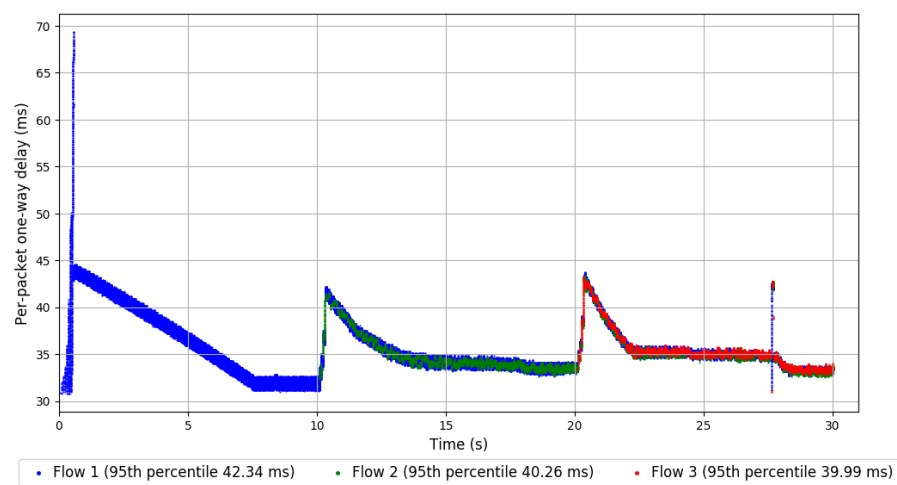
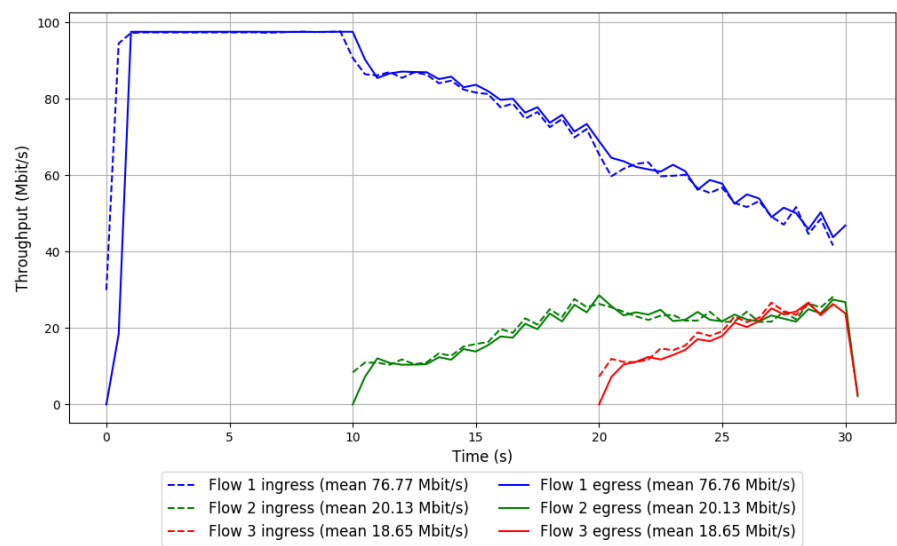
-- Flow 3:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 39.988 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

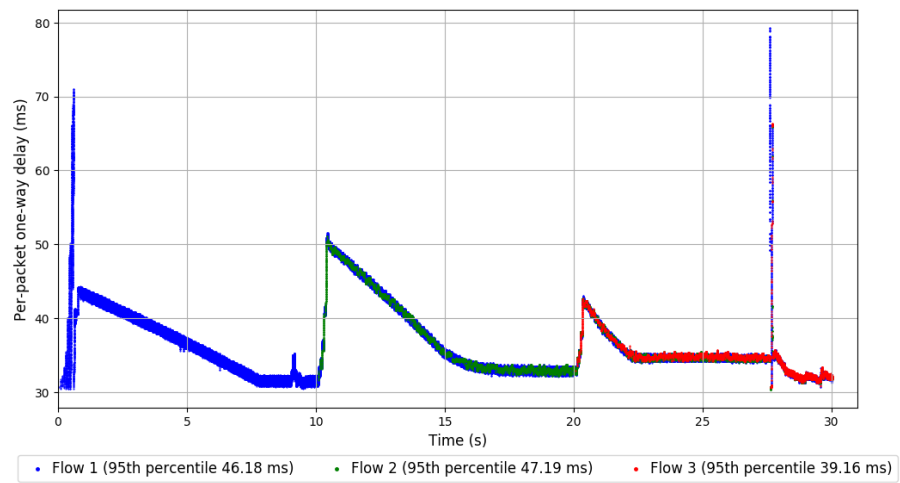
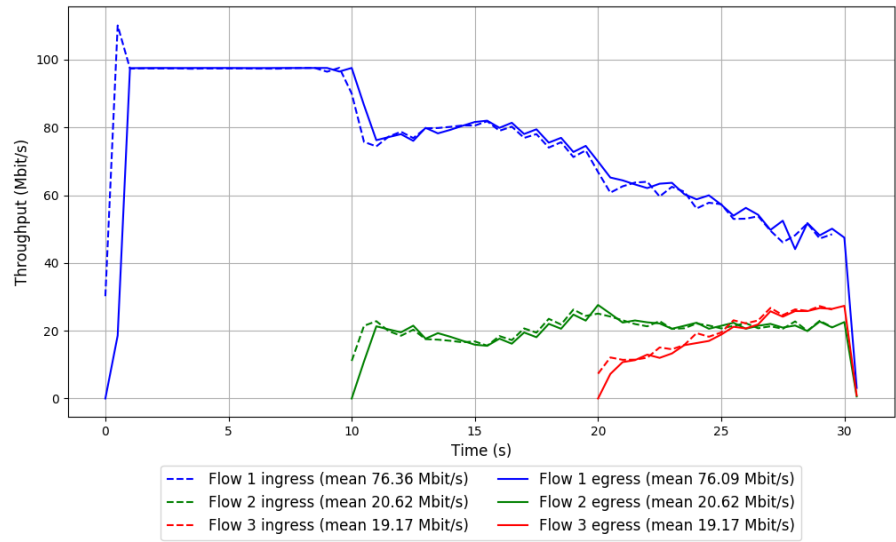


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 05:38:02
End at: 2018-08-22 05:38:32
Local clock offset: 0.452 ms
Remote clock offset: -2.283 ms

Below is generated by plot.py at 2018-08-22 06:42:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 46.168 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 76.09 Mbit/s
95th percentile per-packet one-way delay: 46.177 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 47.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.17 Mbit/s
95th percentile per-packet one-way delay: 39.157 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

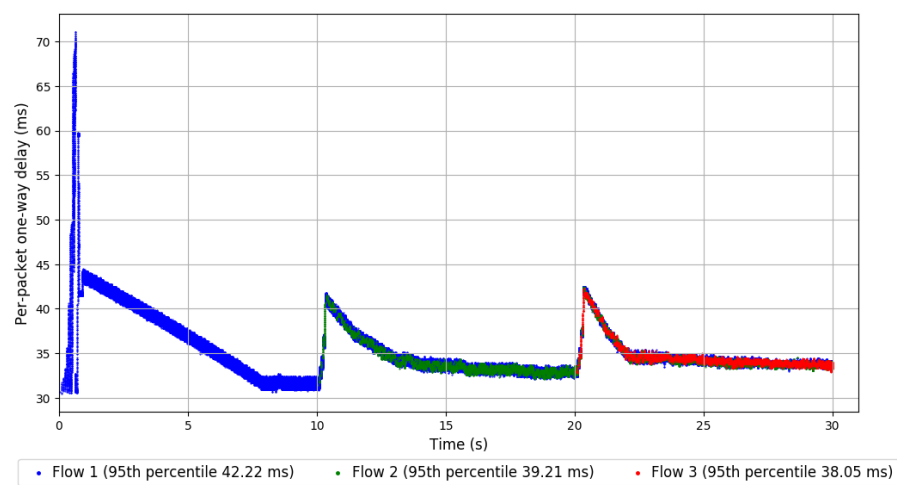
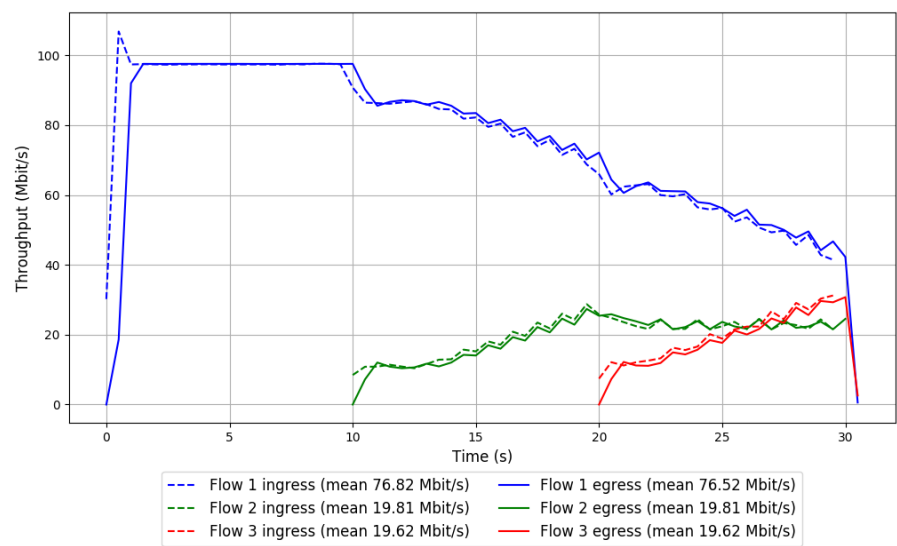


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 06:00:52
End at: 2018-08-22 06:01:22
Local clock offset: 0.038 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-08-22 06:42:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 41.825 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 76.52 Mbit/s
95th percentile per-packet one-way delay: 42.223 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 39.208 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 38.046 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

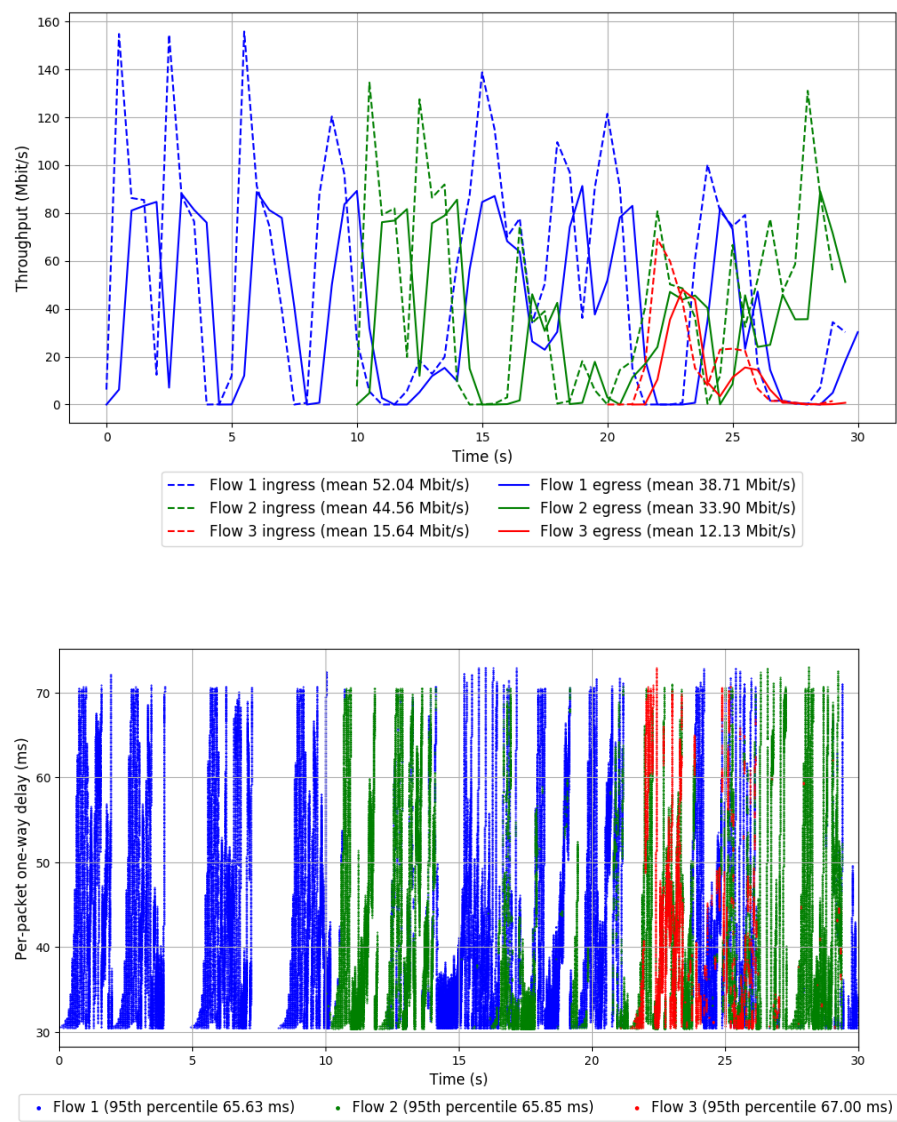


Run 1: Statistics of Verus

Start at: 2018-08-22 02:29:29
End at: 2018-08-22 02:29:59
Local clock offset: 0.093 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2018-08-22 06:42:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 65.779 ms
Loss rate: 25.39%
-- Flow 1:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 65.631 ms
Loss rate: 25.60%
-- Flow 2:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 65.847 ms
Loss rate: 24.00%
-- Flow 3:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 66.999 ms
Loss rate: 31.27%

Run 1: Report of Verus — Data Link

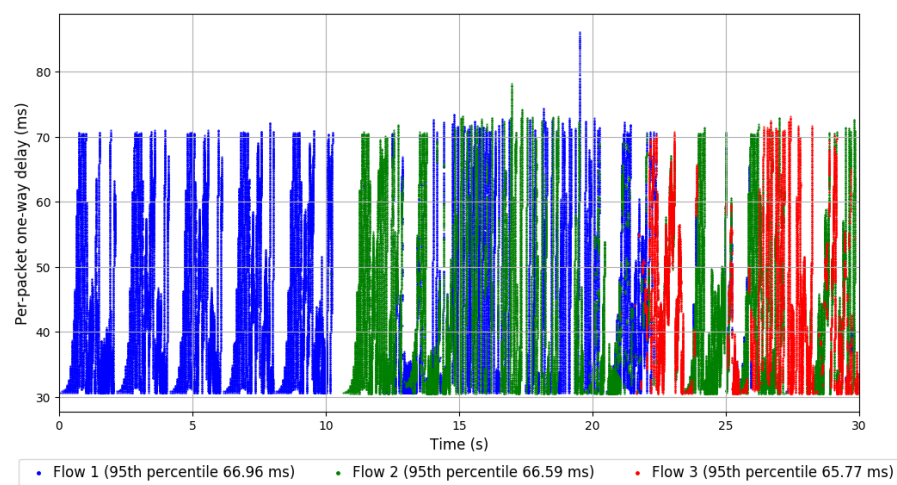
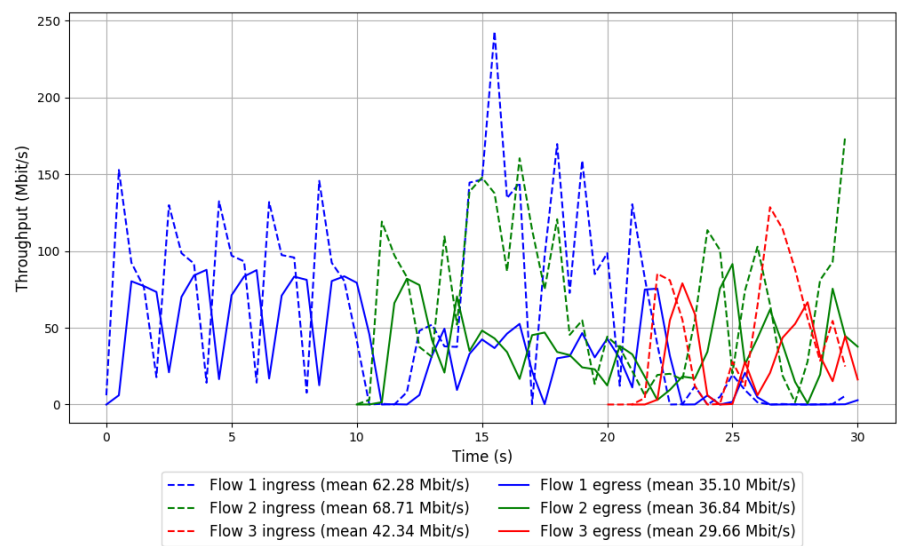


Run 2: Statistics of Verus

Start at: 2018-08-22 02:52:27
End at: 2018-08-22 02:52:57
Local clock offset: 0.124 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2018-08-22 06:42:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.01 Mbit/s
95th percentile per-packet one-way delay: 66.709 ms
Loss rate: 44.00%
-- Flow 1:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: 66.959 ms
Loss rate: 43.77%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 66.590 ms
Loss rate: 46.43%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 65.766 ms
Loss rate: 37.11%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-22 03:15:33

End at: 2018-08-22 03:16:03

Local clock offset: 0.216 ms

Remote clock offset: 0.896 ms

Below is generated by plot.py at 2018-08-22 06:42:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.74 Mbit/s

95th percentile per-packet one-way delay: 65.775 ms

Loss rate: 26.58%

-- Flow 1:

Average throughput: 36.13 Mbit/s

95th percentile per-packet one-way delay: 66.073 ms

Loss rate: 27.38%

-- Flow 2:

Average throughput: 34.60 Mbit/s

95th percentile per-packet one-way delay: 65.303 ms

Loss rate: 26.68%

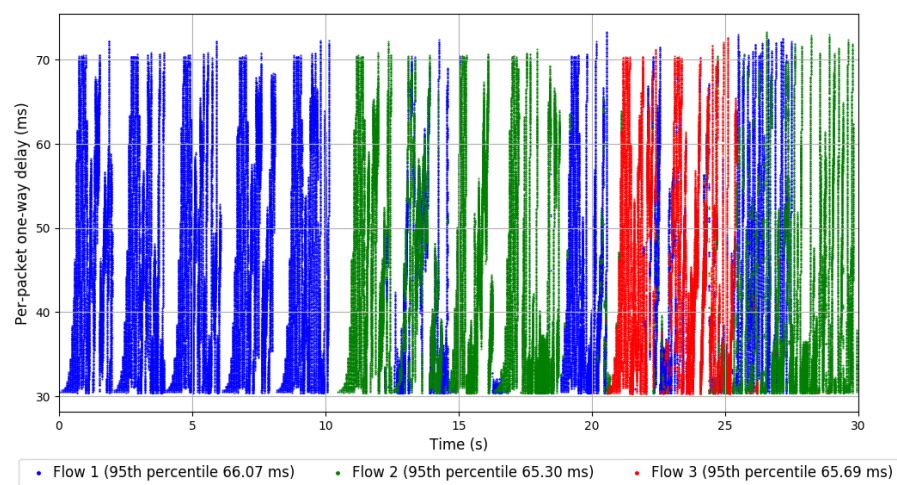
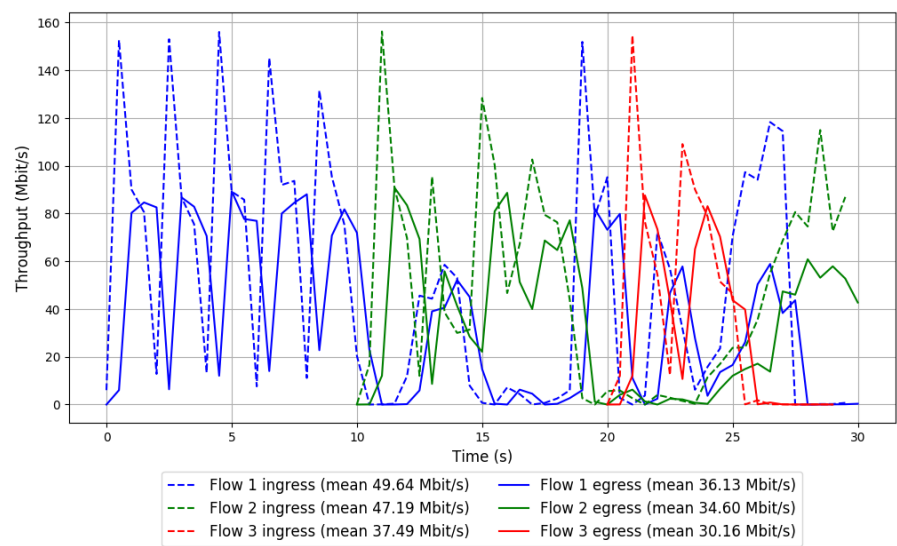
-- Flow 3:

Average throughput: 30.16 Mbit/s

95th percentile per-packet one-way delay: 65.688 ms

Loss rate: 22.92%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-22 03:38:46

End at: 2018-08-22 03:39:16

Local clock offset: 0.953 ms

Remote clock offset: 1.719 ms

Below is generated by plot.py at 2018-08-22 06:42:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.51 Mbit/s

95th percentile per-packet one-way delay: 65.895 ms

Loss rate: 22.75%

-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 66.019 ms

Loss rate: 23.91%

-- Flow 2:

Average throughput: 18.39 Mbit/s

95th percentile per-packet one-way delay: 65.196 ms

Loss rate: 18.60%

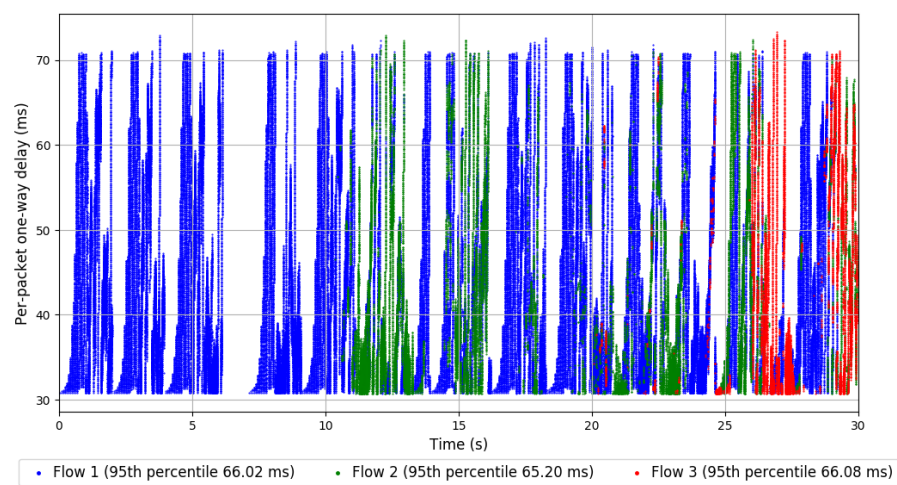
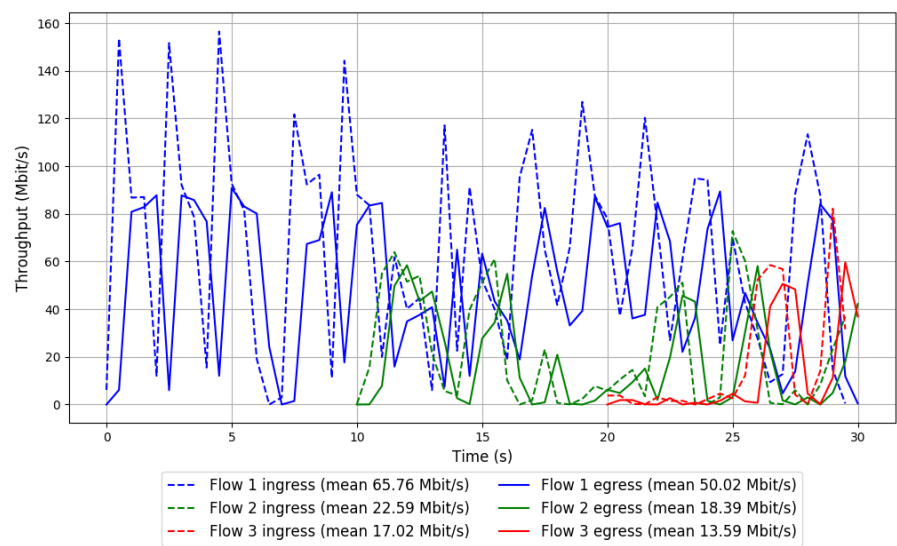
-- Flow 3:

Average throughput: 13.59 Mbit/s

95th percentile per-packet one-way delay: 66.080 ms

Loss rate: 20.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-22 04:01:50

End at: 2018-08-22 04:02:20

Local clock offset: 1.412 ms

Remote clock offset: 1.917 ms

Below is generated by plot.py at 2018-08-22 06:43:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 66.167 ms

Loss rate: 30.31%

-- Flow 1:

Average throughput: 34.67 Mbit/s

95th percentile per-packet one-way delay: 66.138 ms

Loss rate: 28.97%

-- Flow 2:

Average throughput: 38.45 Mbit/s

95th percentile per-packet one-way delay: 65.980 ms

Loss rate: 31.85%

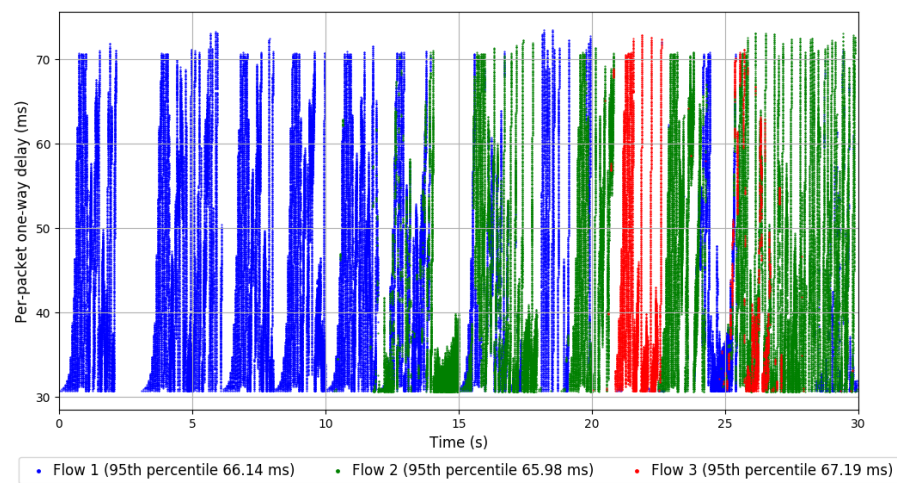
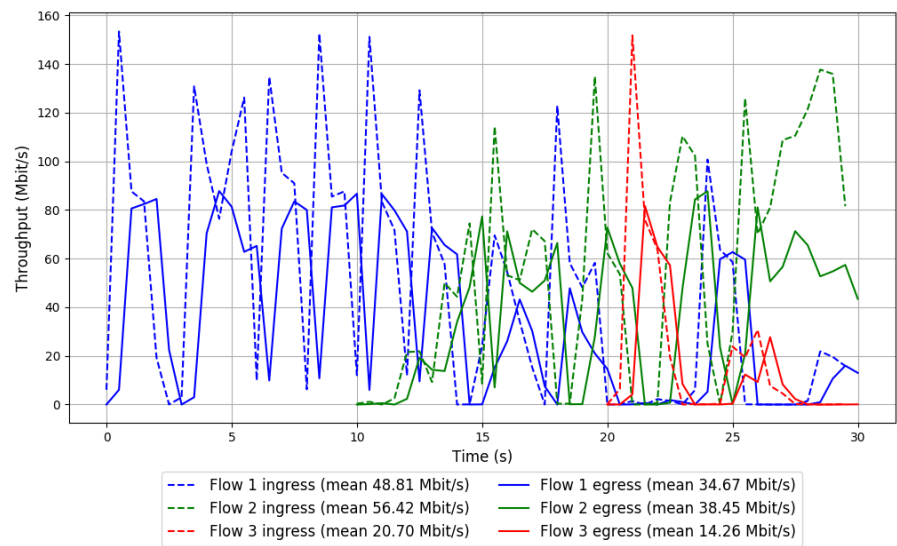
-- Flow 3:

Average throughput: 14.26 Mbit/s

95th percentile per-packet one-way delay: 67.192 ms

Loss rate: 31.60%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-22 04:24:43

End at: 2018-08-22 04:25:13

Local clock offset: 0.207 ms

Remote clock offset: 2.089 ms

Below is generated by plot.py at 2018-08-22 06:43:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 65.893 ms

Loss rate: 24.40%

-- Flow 1:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 65.878 ms

Loss rate: 23.29%

-- Flow 2:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 66.300 ms

Loss rate: 25.60%

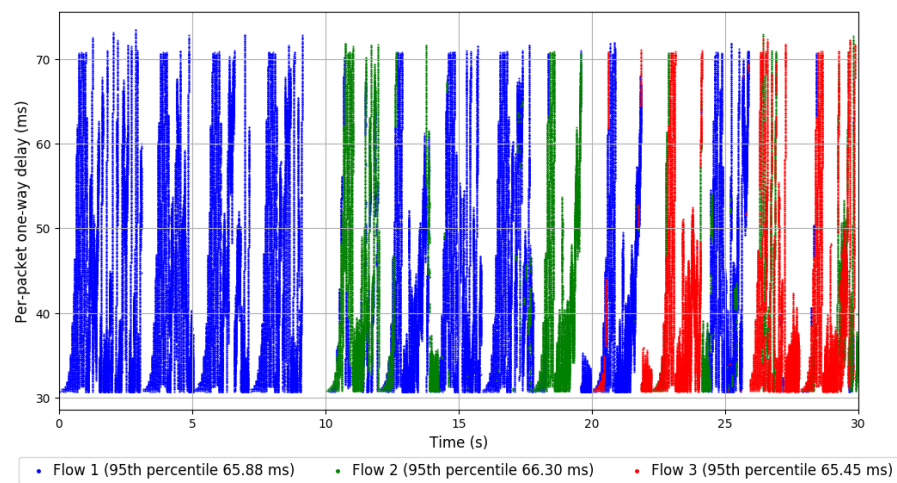
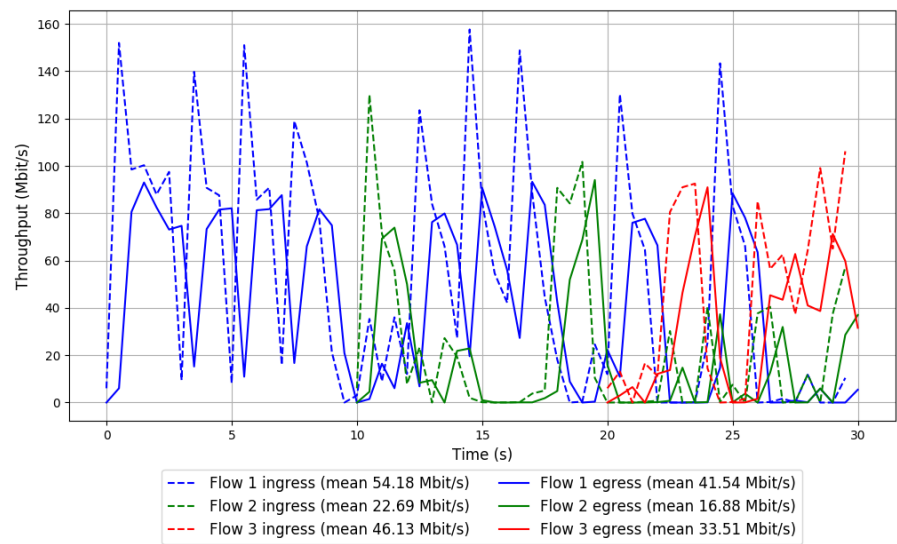
-- Flow 3:

Average throughput: 33.51 Mbit/s

95th percentile per-packet one-way delay: 65.451 ms

Loss rate: 27.19%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-22 04:47:55

End at: 2018-08-22 04:48:25

Local clock offset: 0.177 ms

Remote clock offset: 2.316 ms

Below is generated by plot.py at 2018-08-22 06:43:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 66.140 ms

Loss rate: 22.64%

-- Flow 1:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 66.188 ms

Loss rate: 23.11%

-- Flow 2:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 66.610 ms

Loss rate: 22.19%

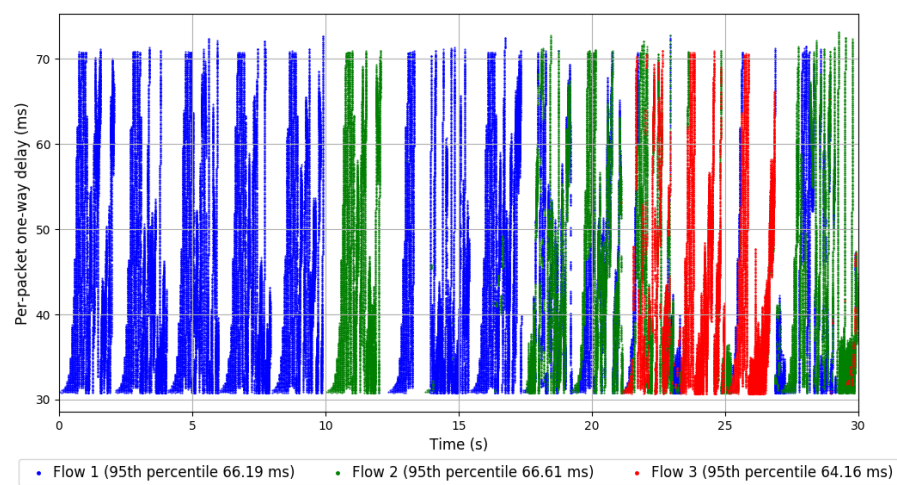
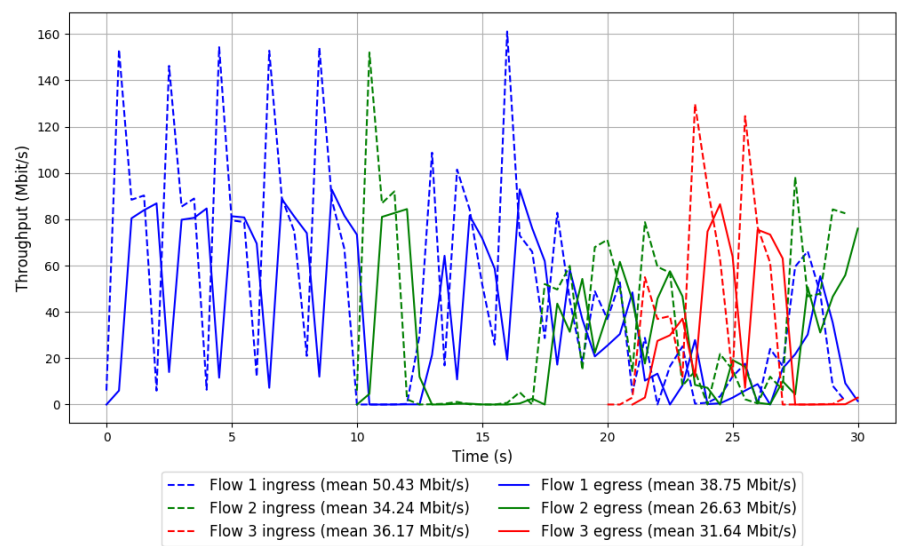
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 64.158 ms

Loss rate: 21.49%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-22 05:10:50

End at: 2018-08-22 05:11:20

Local clock offset: 0.275 ms

Remote clock offset: 2.343 ms

Below is generated by plot.py at 2018-08-22 06:43:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.99 Mbit/s

95th percentile per-packet one-way delay: 66.899 ms

Loss rate: 38.21%

-- Flow 1:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 67.387 ms

Loss rate: 42.03%

-- Flow 2:

Average throughput: 19.29 Mbit/s

95th percentile per-packet one-way delay: 65.553 ms

Loss rate: 25.05%

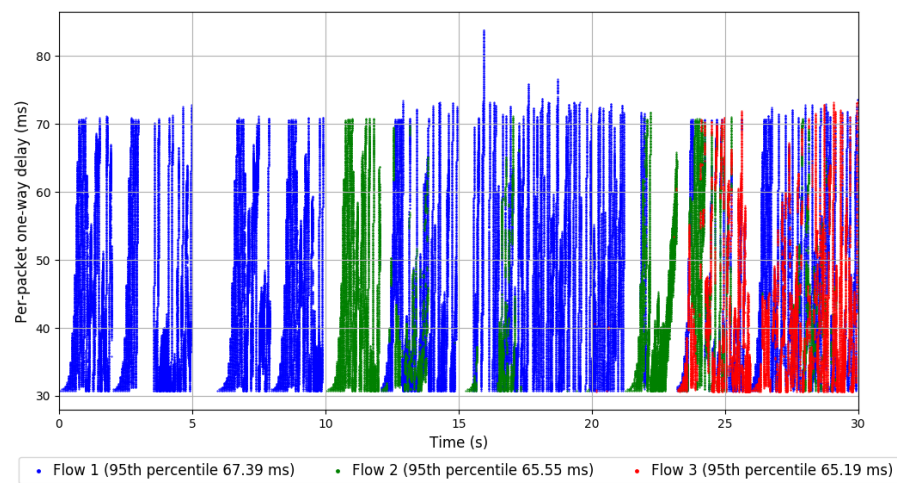
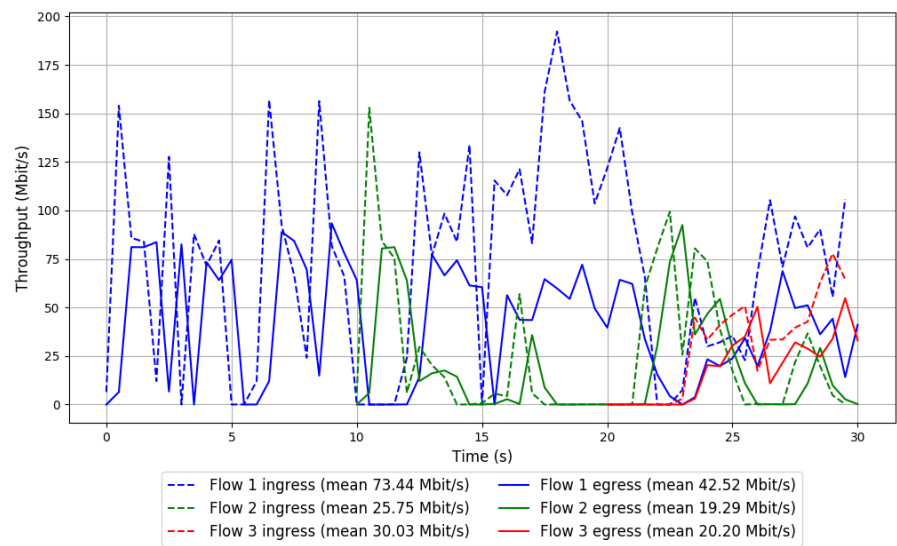
-- Flow 3:

Average throughput: 20.20 Mbit/s

95th percentile per-packet one-way delay: 65.189 ms

Loss rate: 32.65%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-22 05:33:56

End at: 2018-08-22 05:34:26

Local clock offset: 0.378 ms

Remote clock offset: -1.74 ms

Below is generated by plot.py at 2018-08-22 06:43:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 66.571 ms

Loss rate: 33.85%

-- Flow 1:

Average throughput: 48.93 Mbit/s

95th percentile per-packet one-way delay: 66.726 ms

Loss rate: 34.97%

-- Flow 2:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 66.353 ms

Loss rate: 33.94%

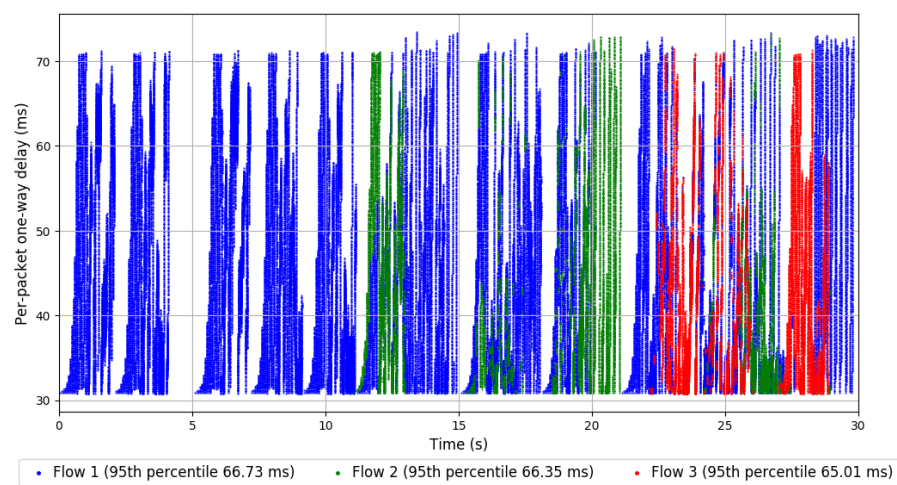
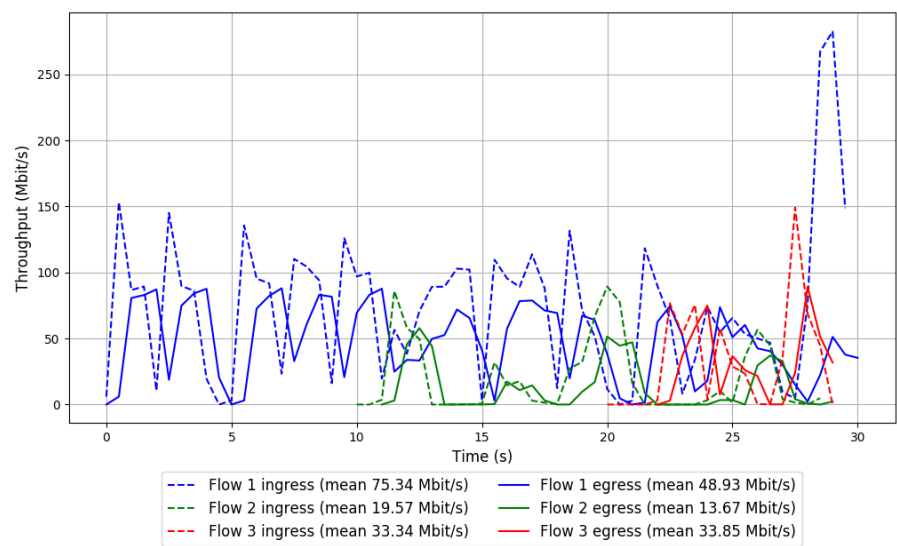
-- Flow 3:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 65.011 ms

Loss rate: 25.65%

Run 9: Report of Verus — Data Link

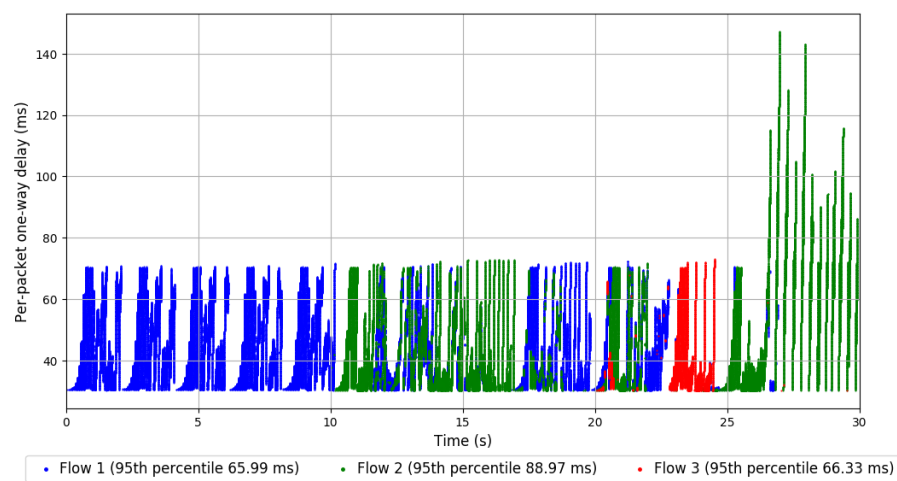
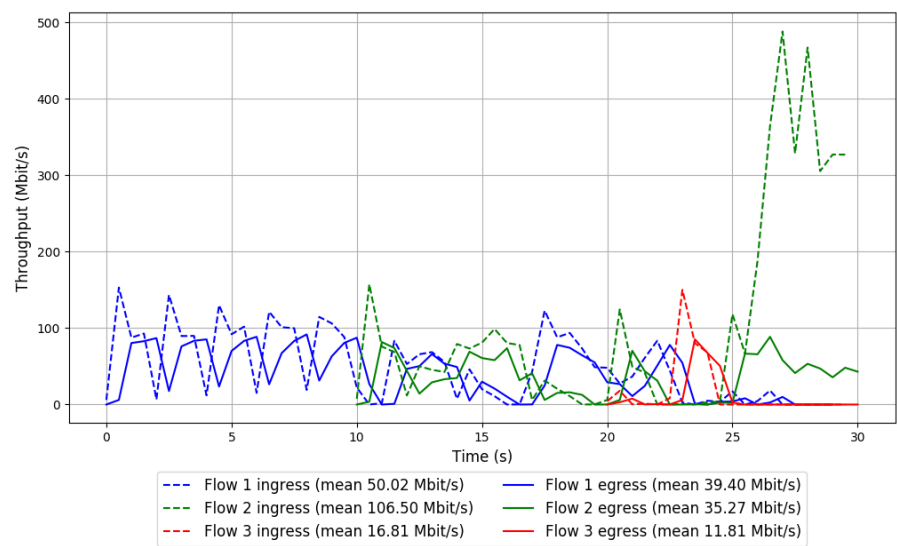


Run 10: Statistics of Verus

Start at: 2018-08-22 05:56:47
End at: 2018-08-22 05:57:17
Local clock offset: 0.14 ms
Remote clock offset: -1.591 ms

Below is generated by plot.py at 2018-08-22 06:43:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.25 Mbit/s
95th percentile per-packet one-way delay: 69.580 ms
Loss rate: 47.88%
-- Flow 1:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 65.987 ms
Loss rate: 22.27%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 88.967 ms
Loss rate: 66.83%
-- Flow 3:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 32.48%

Run 10: Report of Verus — Data Link

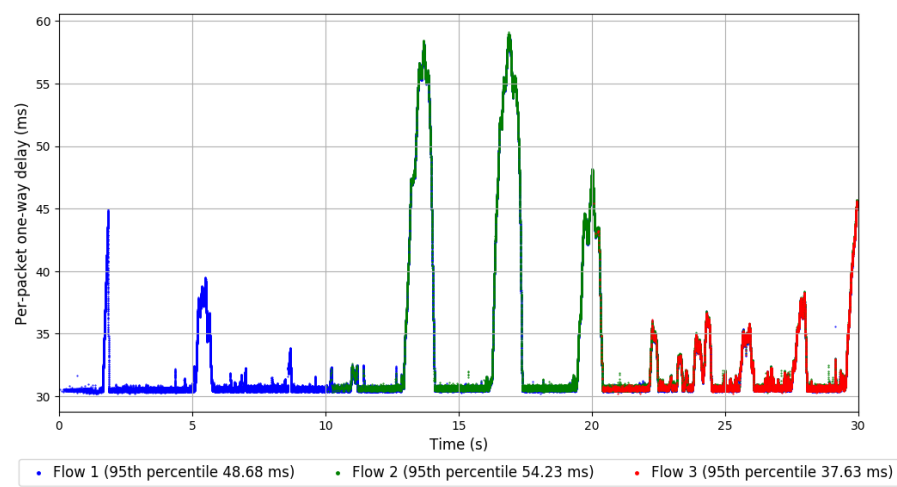
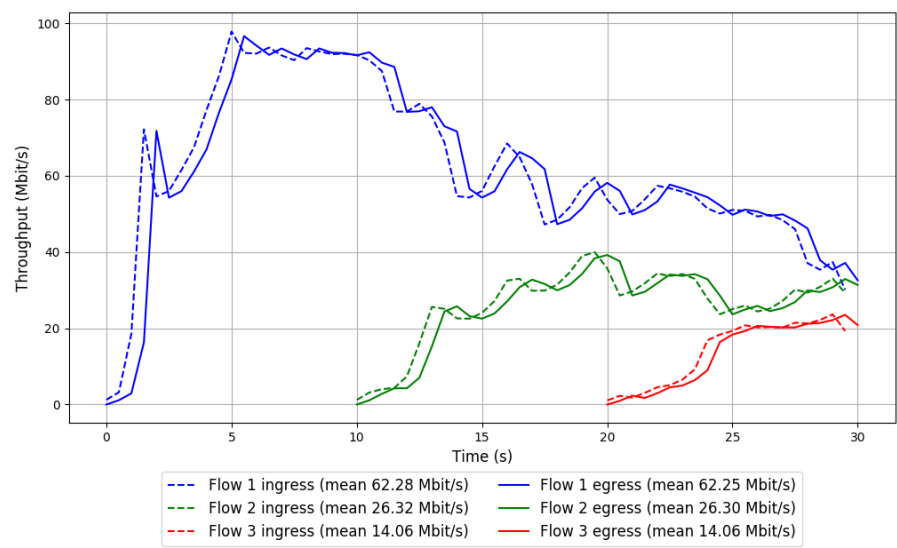


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 02:46:59
End at: 2018-08-22 02:47:29
Local clock offset: 0.12 ms
Remote clock offset: -1.264 ms

Below is generated by plot.py at 2018-08-22 06:44:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 50.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 48.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 54.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 37.633 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 03:09:58

End at: 2018-08-22 03:10:28

Local clock offset: 0.038 ms

Remote clock offset: 0.775 ms

Below is generated by plot.py at 2018-08-22 06:44:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 39.427 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 40.925 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.28 Mbit/s

95th percentile per-packet one-way delay: 34.757 ms

Loss rate: 0.00%

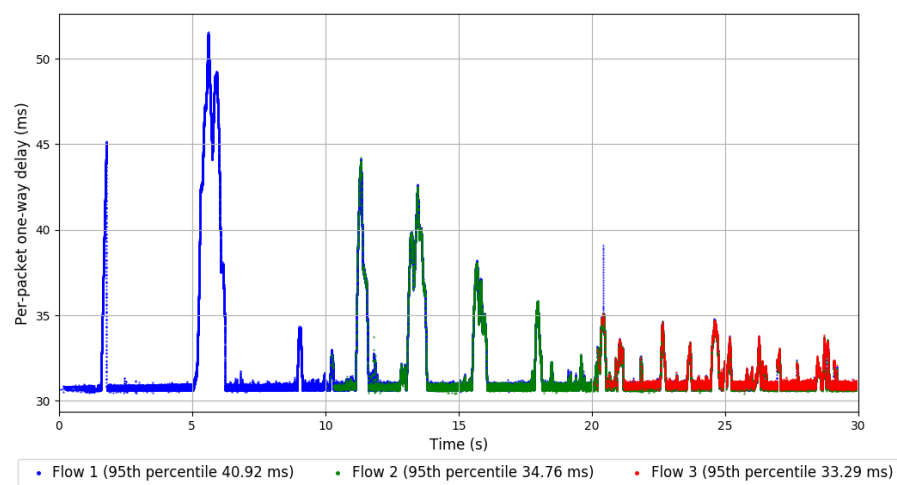
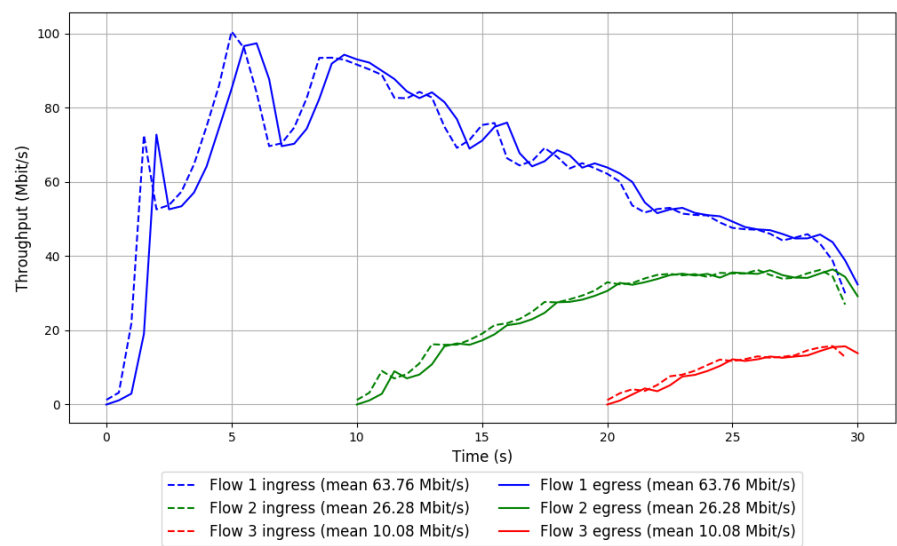
-- Flow 3:

Average throughput: 10.08 Mbit/s

95th percentile per-packet one-way delay: 33.292 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 03:33:19

End at: 2018-08-22 03:33:49

Local clock offset: 0.717 ms

Remote clock offset: 1.589 ms

Below is generated by plot.py at 2018-08-22 06:44:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 37.033 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.53 Mbit/s

95th percentile per-packet one-way delay: 36.894 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.66 Mbit/s

95th percentile per-packet one-way delay: 37.167 ms

Loss rate: 0.00%

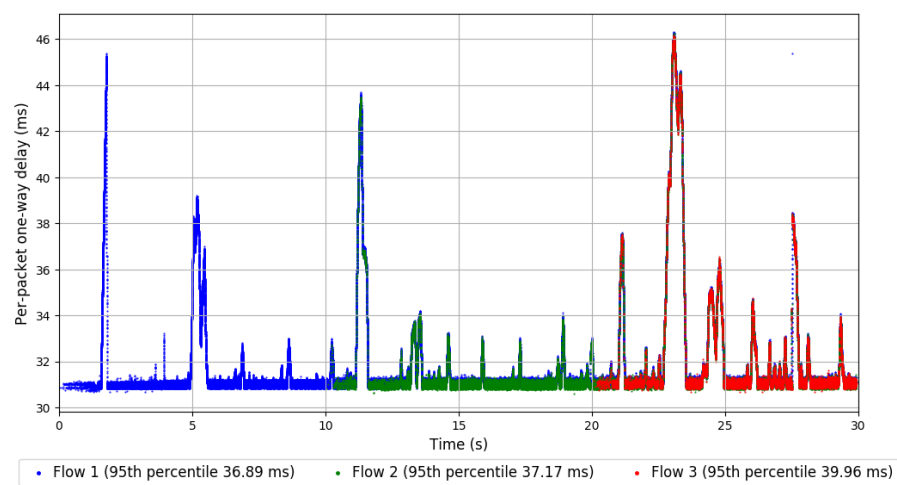
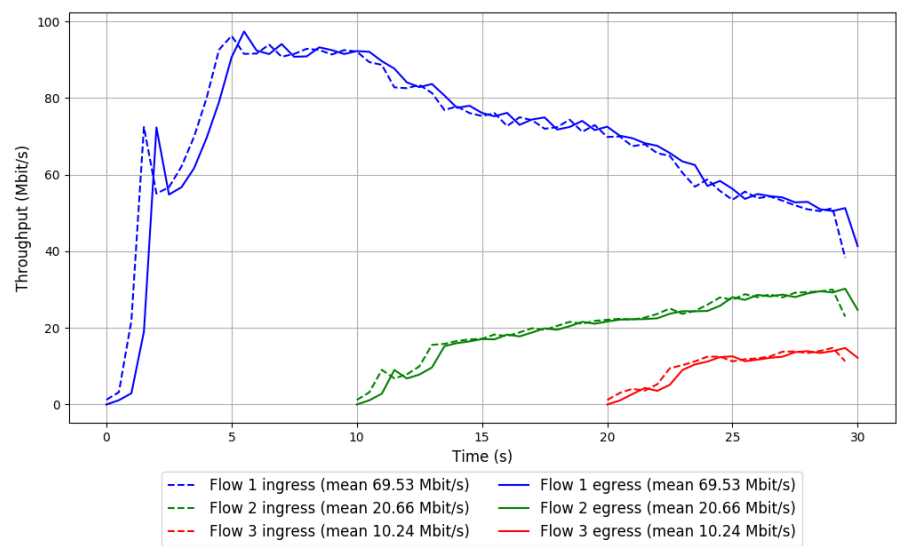
-- Flow 3:

Average throughput: 10.24 Mbit/s

95th percentile per-packet one-way delay: 39.964 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 03:56:22

End at: 2018-08-22 03:56:52

Local clock offset: 1.303 ms

Remote clock offset: 1.928 ms

Below is generated by plot.py at 2018-08-22 06:44:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.65 Mbit/s

95th percentile per-packet one-way delay: 40.649 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 41.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 38.660 ms

Loss rate: 0.00%

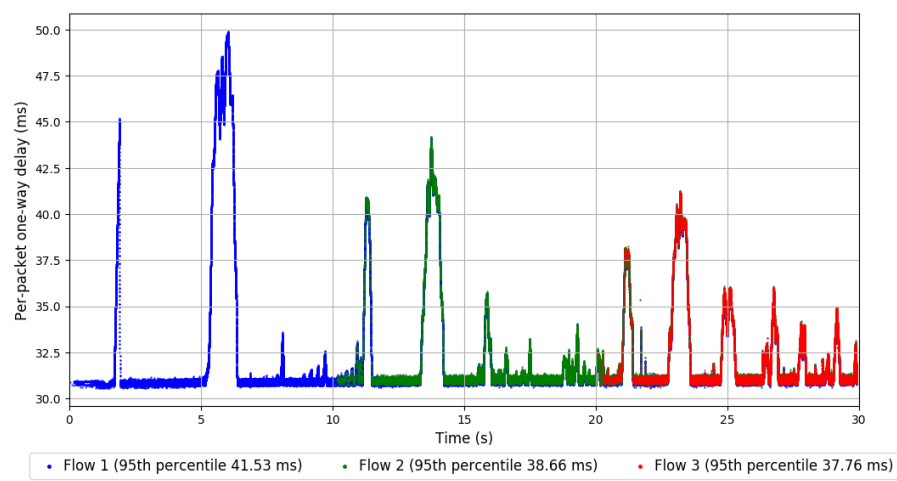
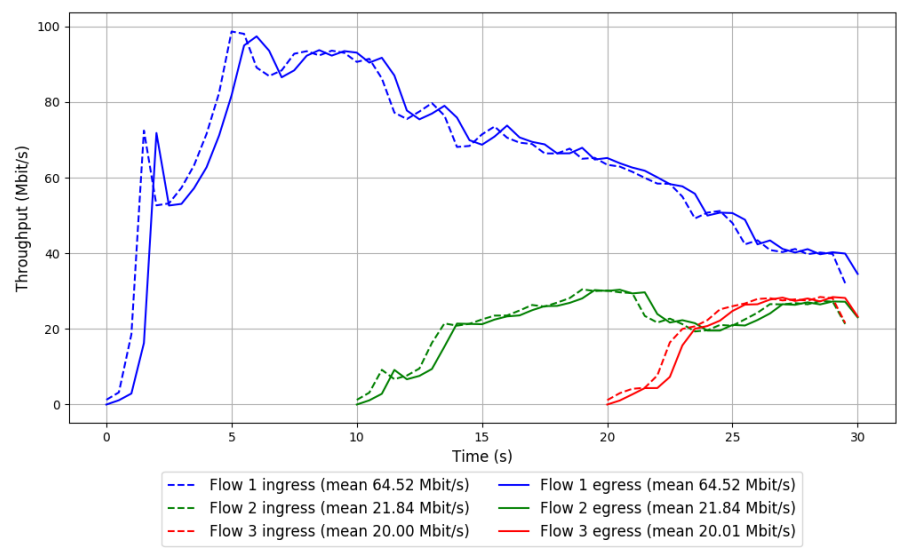
-- Flow 3:

Average throughput: 20.01 Mbit/s

95th percentile per-packet one-way delay: 37.759 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 04:19:16

End at: 2018-08-22 04:19:46

Local clock offset: 0.386 ms

Remote clock offset: 2.113 ms

Below is generated by plot.py at 2018-08-22 06:44:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 44.576 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.17 Mbit/s

95th percentile per-packet one-way delay: 44.276 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.20 Mbit/s

95th percentile per-packet one-way delay: 43.776 ms

Loss rate: 0.00%

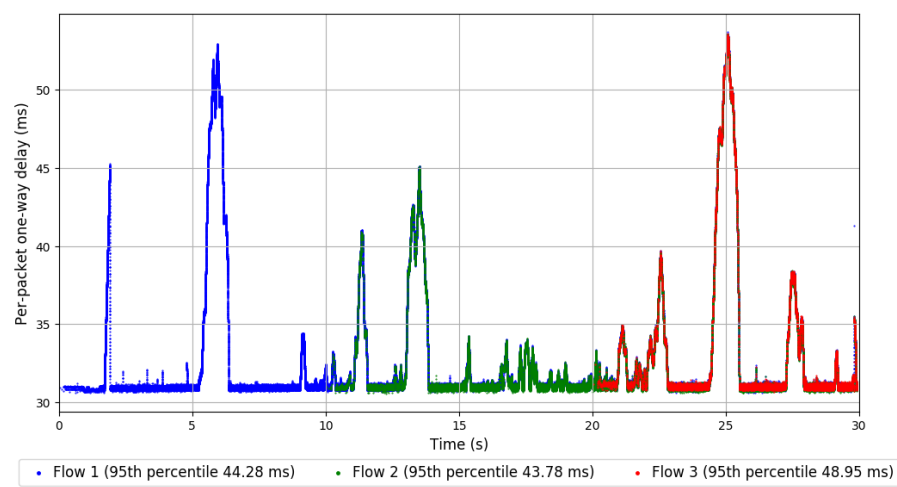
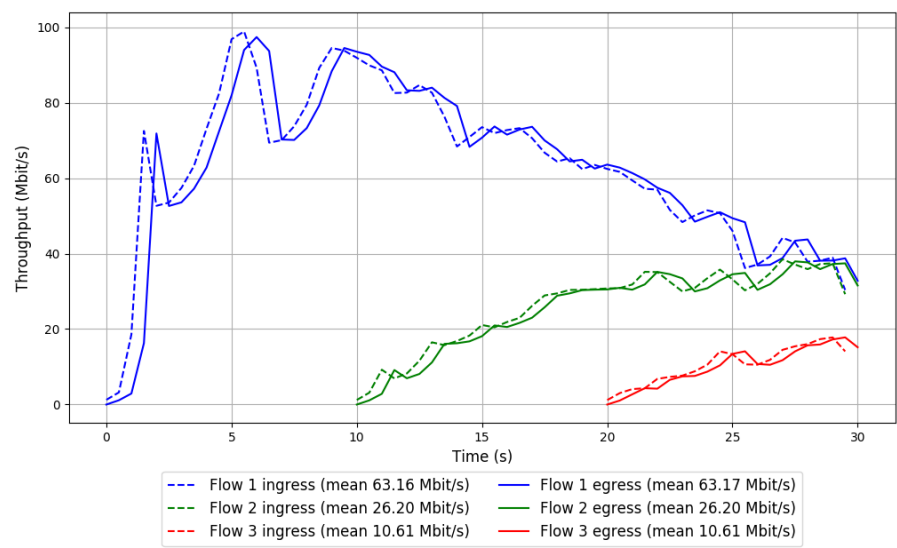
-- Flow 3:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 48.952 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 04:42:27

End at: 2018-08-22 04:42:57

Local clock offset: 0.184 ms

Remote clock offset: 2.029 ms

Below is generated by plot.py at 2018-08-22 06:44:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 39.662 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 67.59 Mbit/s

95th percentile per-packet one-way delay: 40.580 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 17.71 Mbit/s

95th percentile per-packet one-way delay: 37.622 ms

Loss rate: 0.05%

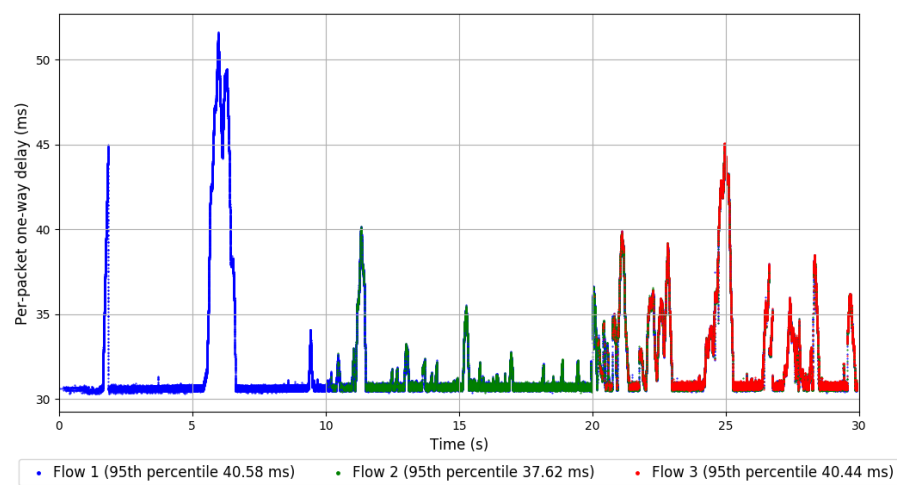
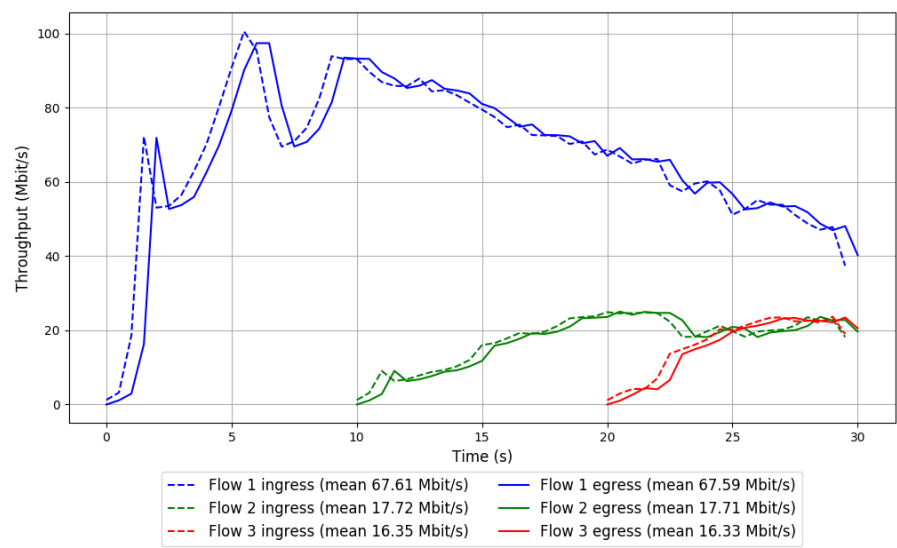
-- Flow 3:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 40.438 ms

Loss rate: 0.13%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 05:05:20

End at: 2018-08-22 05:05:50

Local clock offset: 0.084 ms

Remote clock offset: 2.304 ms

Below is generated by plot.py at 2018-08-22 06:44:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.60 Mbit/s

95th percentile per-packet one-way delay: 50.963 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 50.828 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 51.798 ms

Loss rate: 0.17%

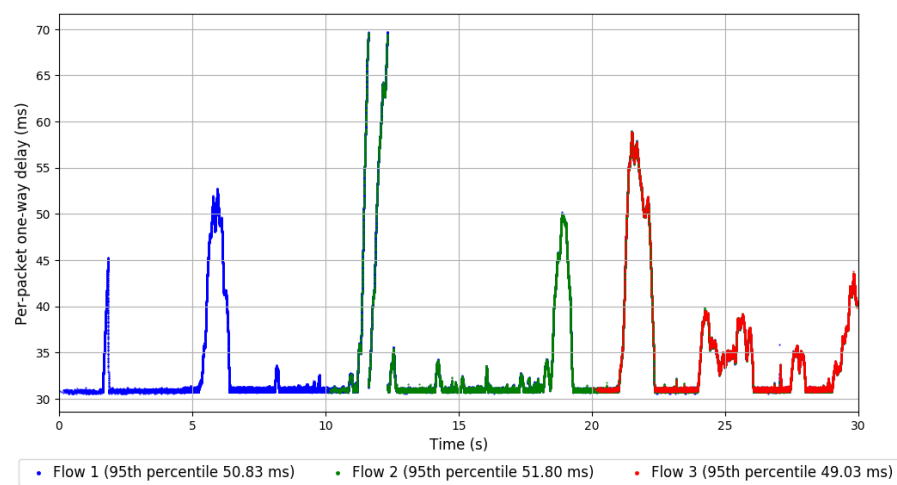
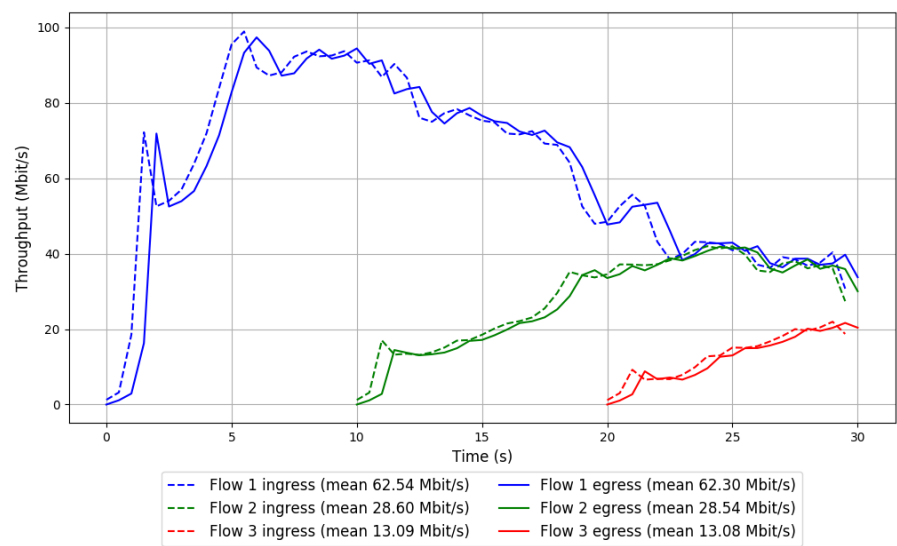
-- Flow 3:

Average throughput: 13.08 Mbit/s

95th percentile per-packet one-way delay: 49.030 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 05:28:26

End at: 2018-08-22 05:28:56

Local clock offset: 0.447 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-08-22 06:44:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 44.267 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.14 Mbit/s

95th percentile per-packet one-way delay: 45.015 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 43.182 ms

Loss rate: 0.00%

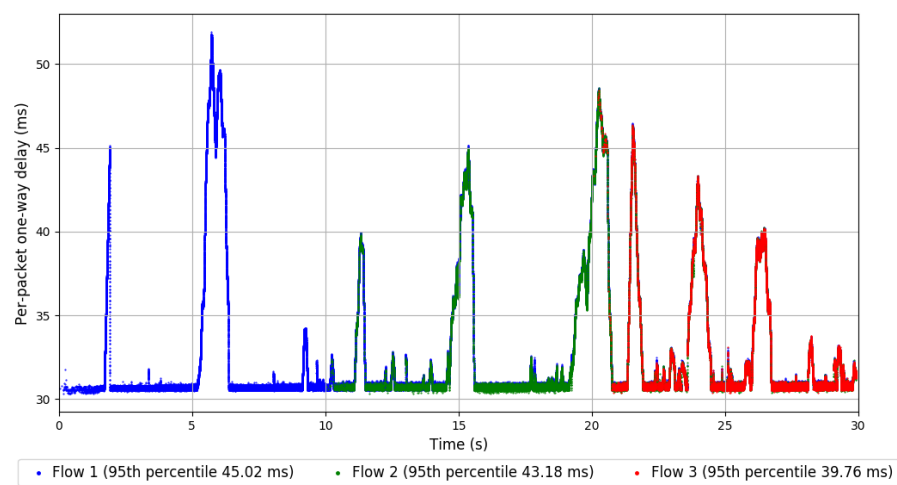
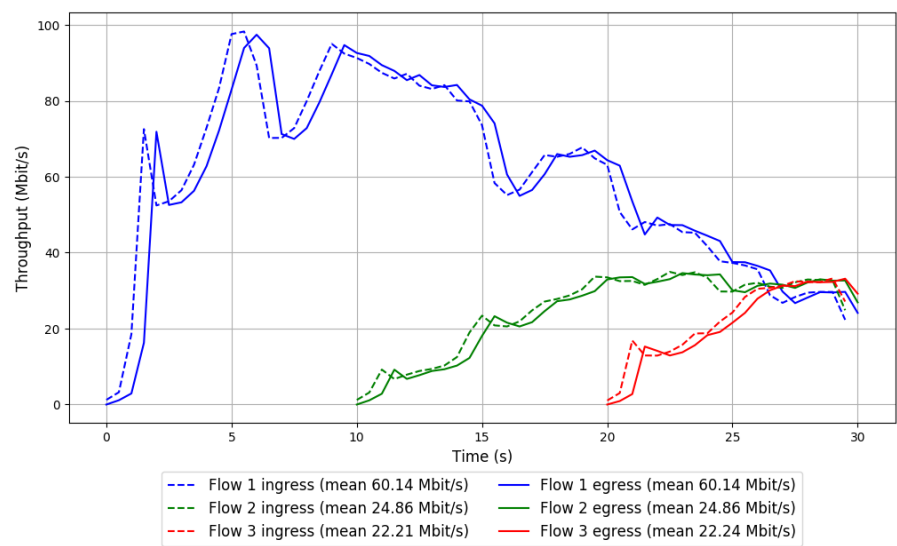
-- Flow 3:

Average throughput: 22.24 Mbit/s

95th percentile per-packet one-way delay: 39.757 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

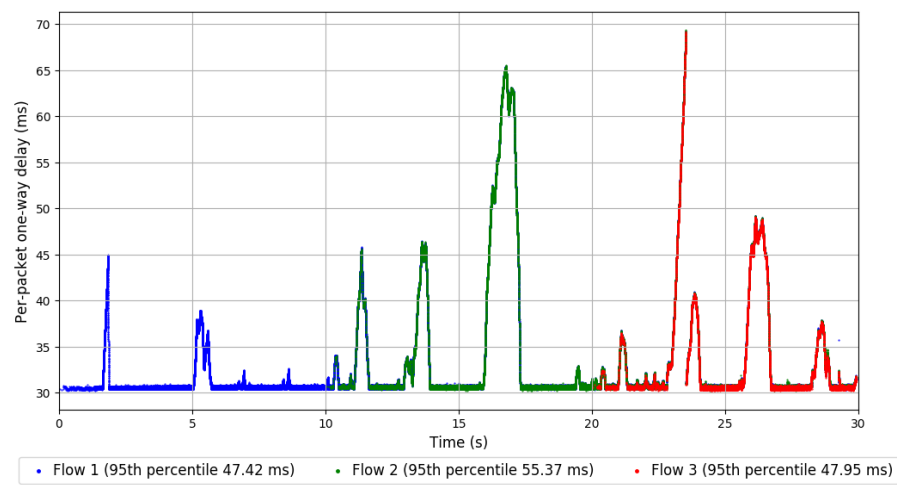
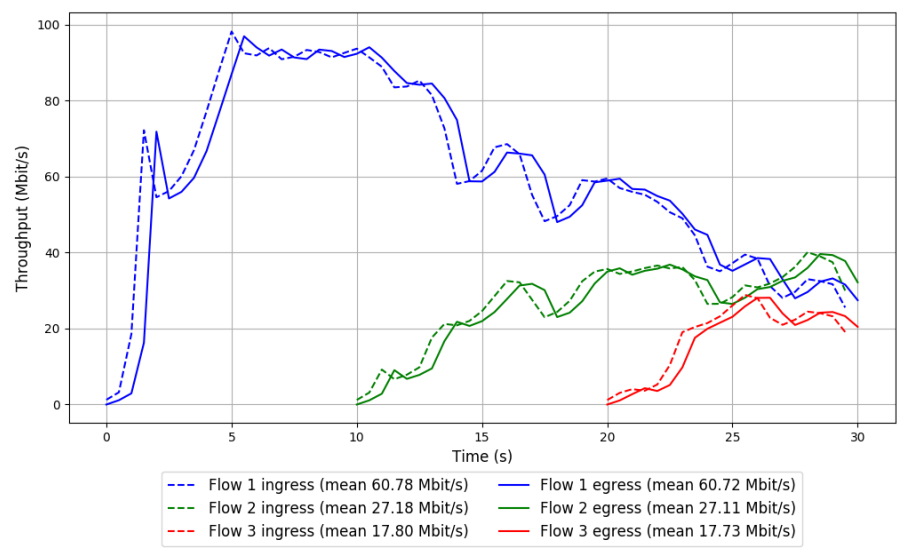


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 05:51:21
End at: 2018-08-22 05:51:51
Local clock offset: 0.174 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2018-08-22 06:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 48.825 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 47.419 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 55.368 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 47.955 ms
Loss rate: 0.41%

Run 9: Report of PCC-Vivace — Data Link

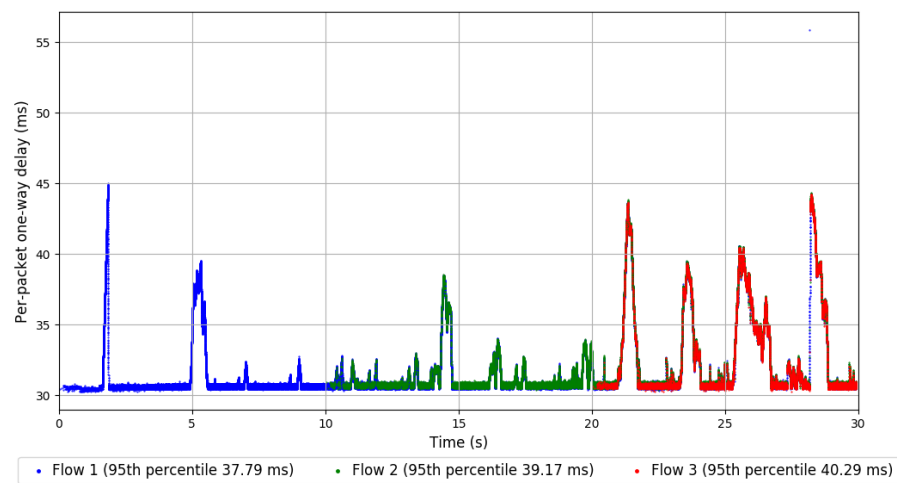
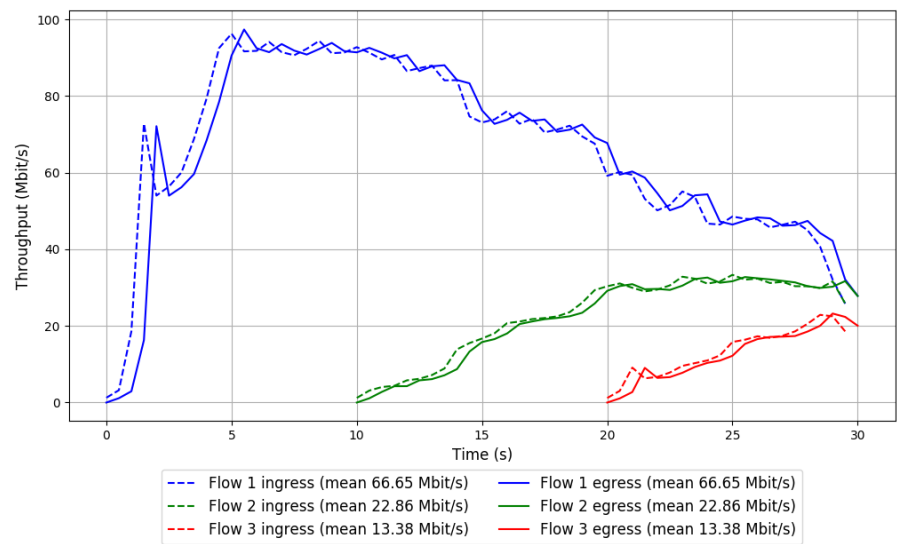


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 06:14:14
End at: 2018-08-22 06:14:44
Local clock offset: 0.132 ms
Remote clock offset: -1.328 ms

Below is generated by plot.py at 2018-08-22 06:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.28 Mbit/s
95th percentile per-packet one-way delay: 38.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 37.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 39.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 40.294 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-22 02:45:42

End at: 2018-08-22 02:46:12

Local clock offset: 0.114 ms

Remote clock offset: -1.09 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 32.234 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.744 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 32.908 ms

Loss rate: 0.00%

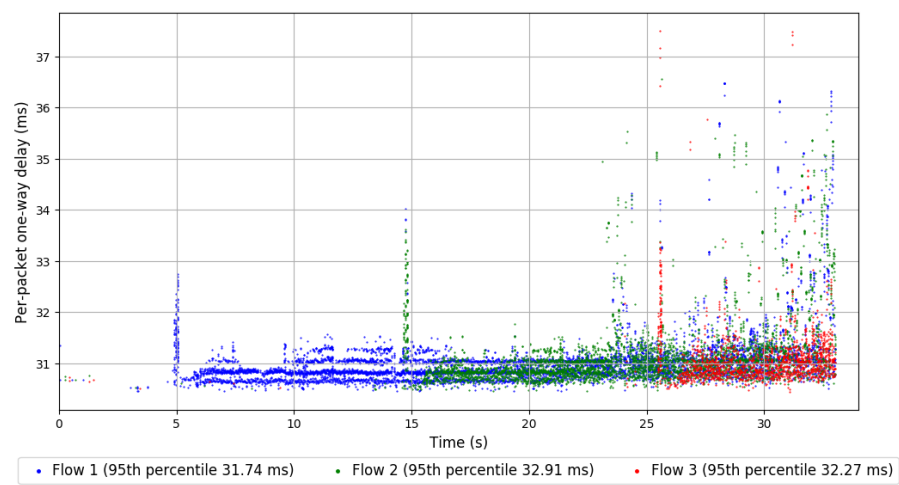
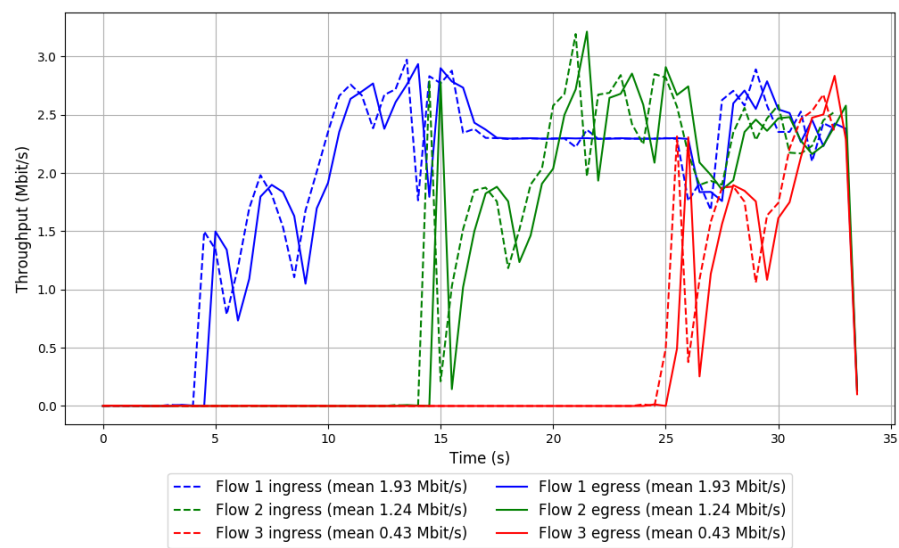
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 32.269 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-22 03:08:41

End at: 2018-08-22 03:09:11

Local clock offset: 0.002 ms

Remote clock offset: 0.629 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 31.733 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 31.591 ms

Loss rate: 0.00%

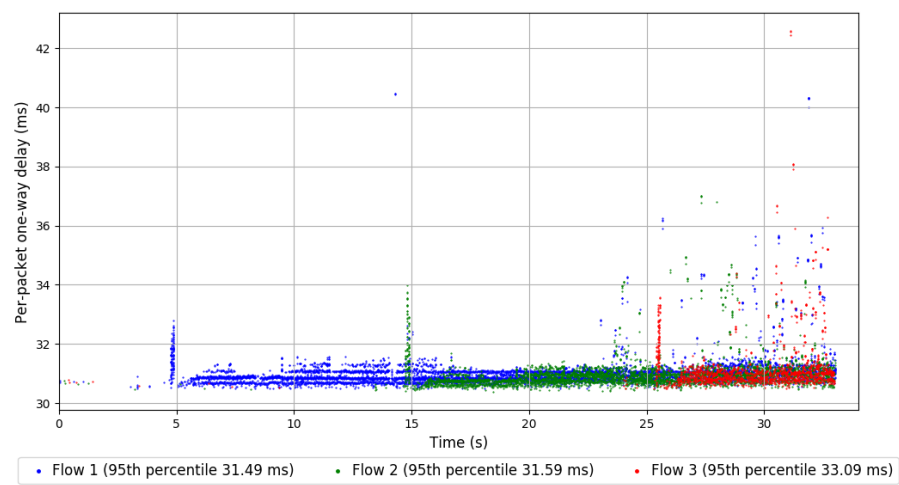
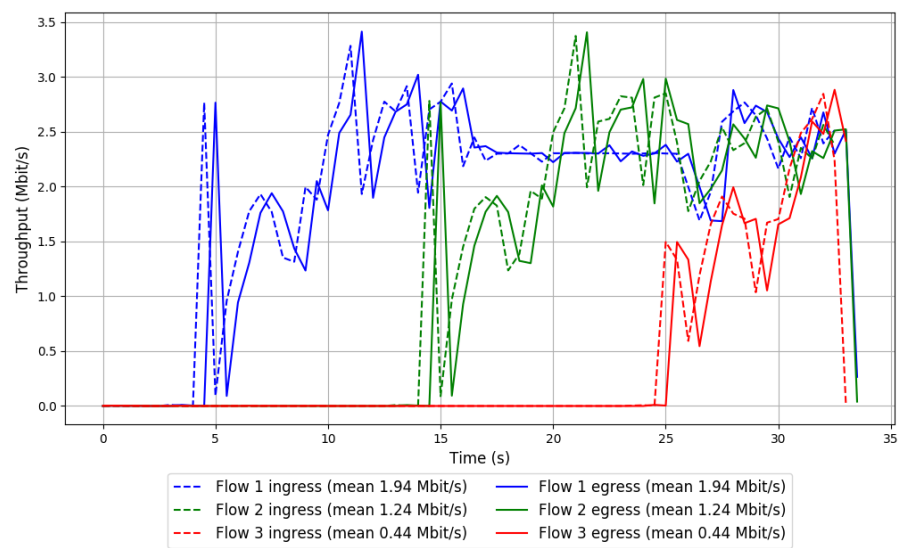
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 33.091 ms

Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-22 03:32:02

End at: 2018-08-22 03:32:32

Local clock offset: 0.757 ms

Remote clock offset: 1.467 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 31.594 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 31.634 ms

Loss rate: 0.00%

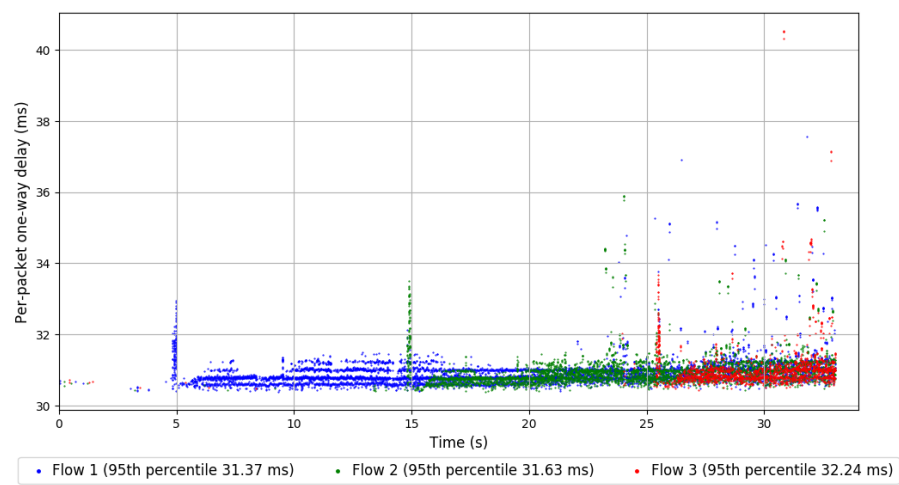
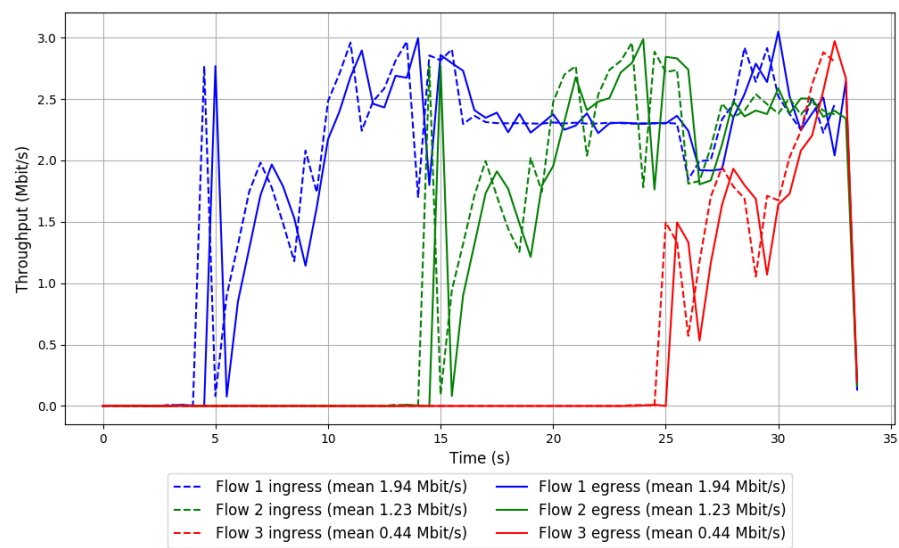
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 32.239 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-22 03:55:05

End at: 2018-08-22 03:55:35

Local clock offset: 1.196 ms

Remote clock offset: 1.924 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 32.200 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.927 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 32.350 ms

Loss rate: 0.00%

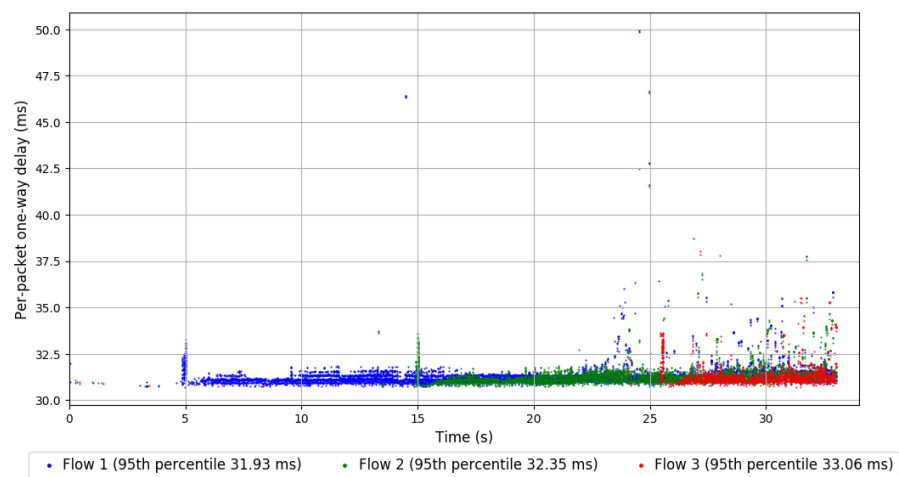
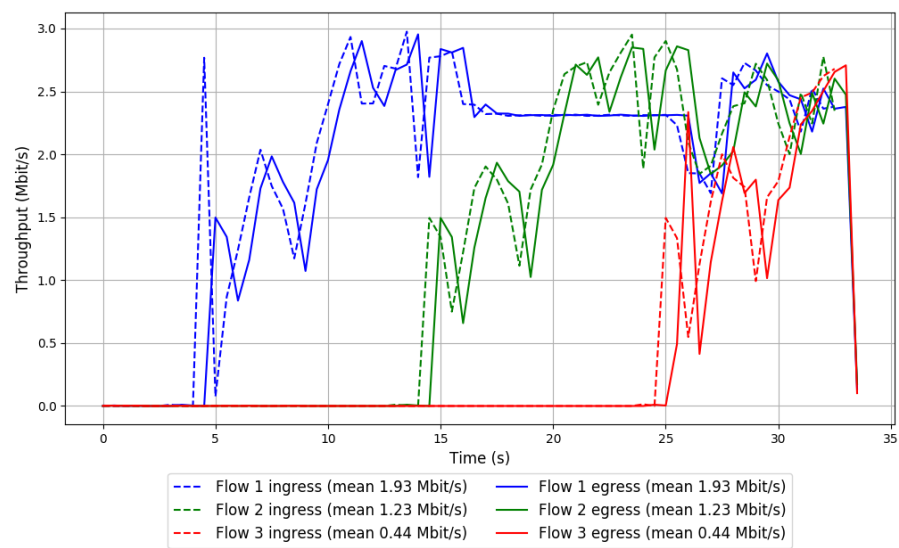
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 33.059 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-22 04:17:59

End at: 2018-08-22 04:18:29

Local clock offset: 0.528 ms

Remote clock offset: 1.876 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 31.553 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.337 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 31.646 ms

Loss rate: 0.00%

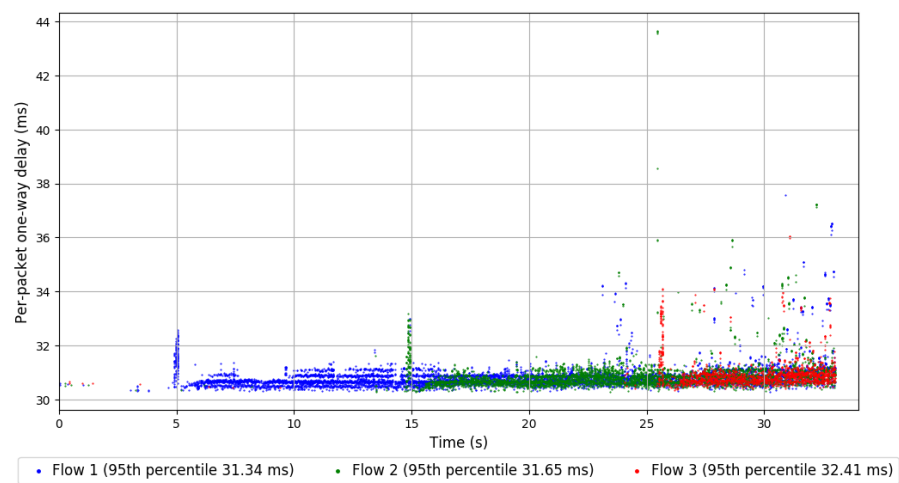
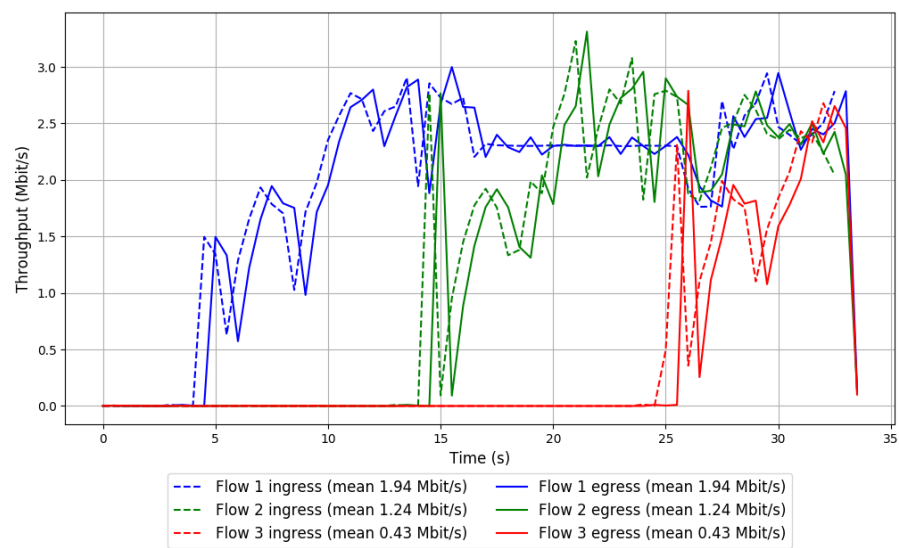
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 32.405 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-22 04:41:10

End at: 2018-08-22 04:41:40

Local clock offset: 0.075 ms

Remote clock offset: 2.133 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 32.024 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 31.741 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 32.112 ms

Loss rate: 0.00%

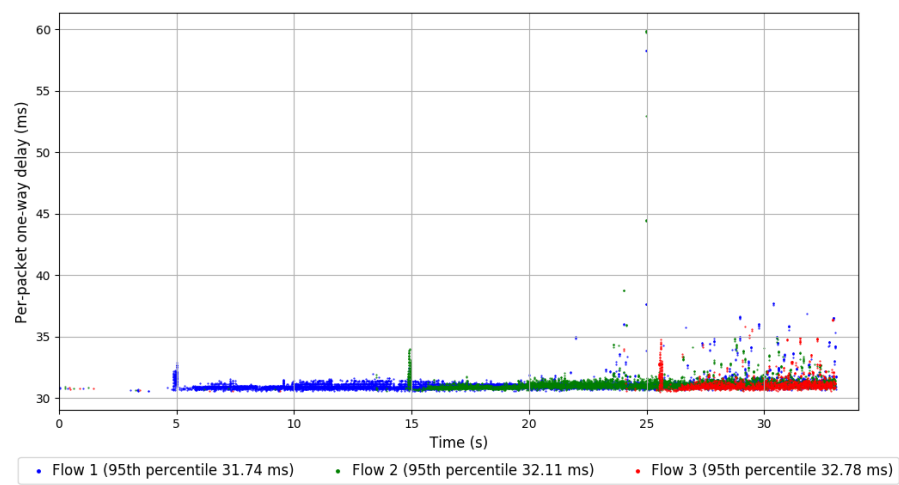
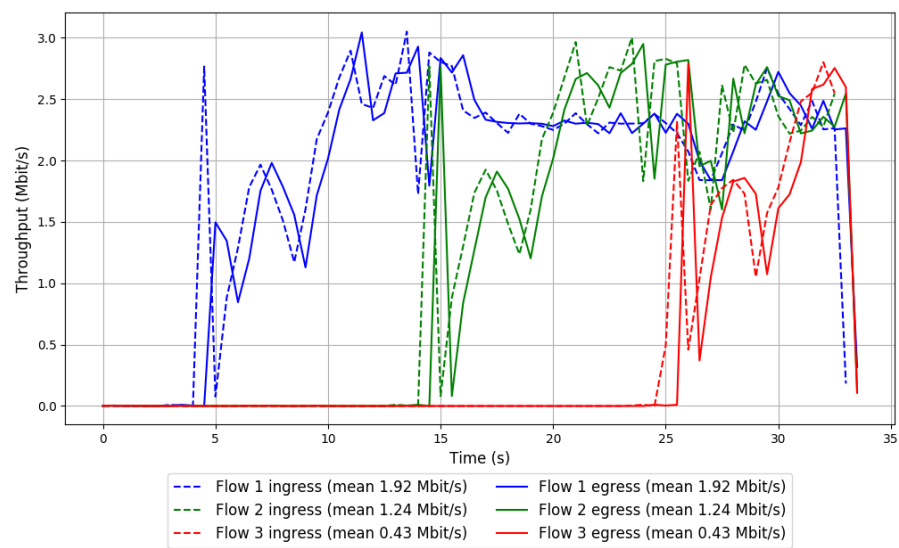
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 32.782 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-22 05:04:03

End at: 2018-08-22 05:04:33

Local clock offset: 0.183 ms

Remote clock offset: 2.072 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 31.680 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 31.614 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 31.405 ms

Loss rate: 0.00%

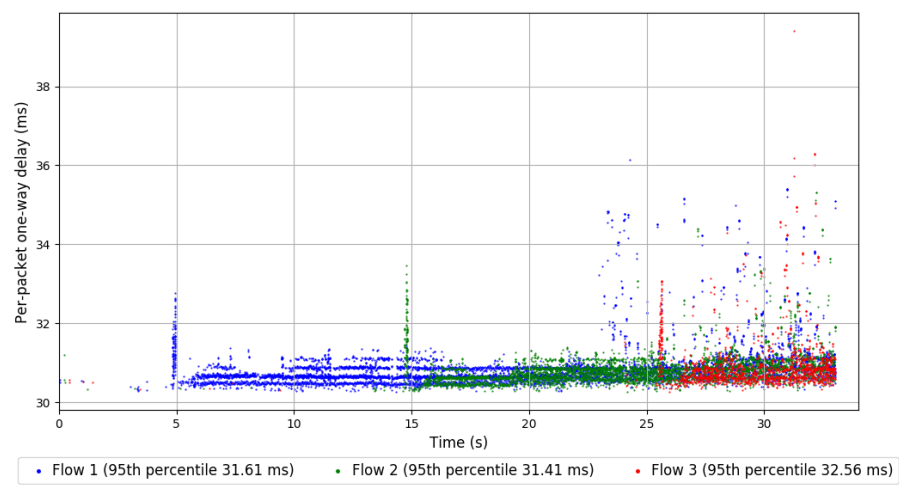
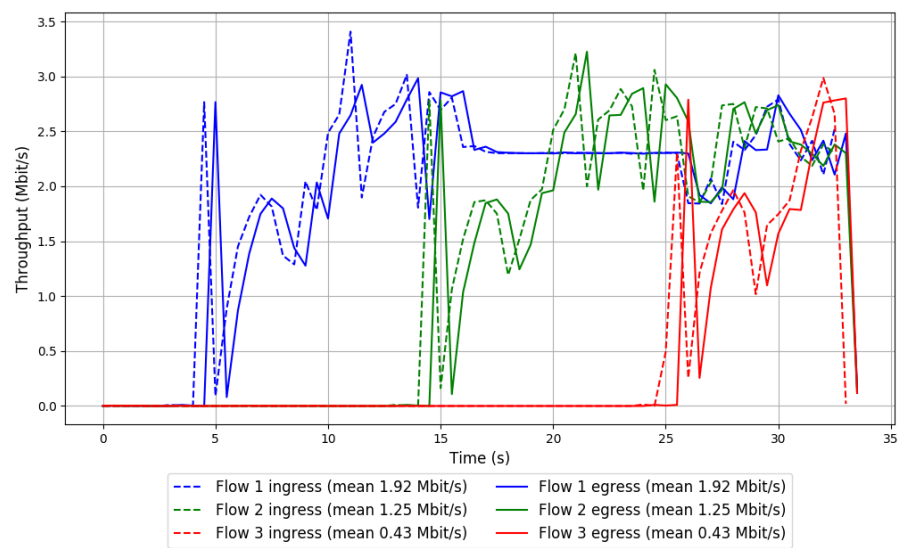
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 32.557 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

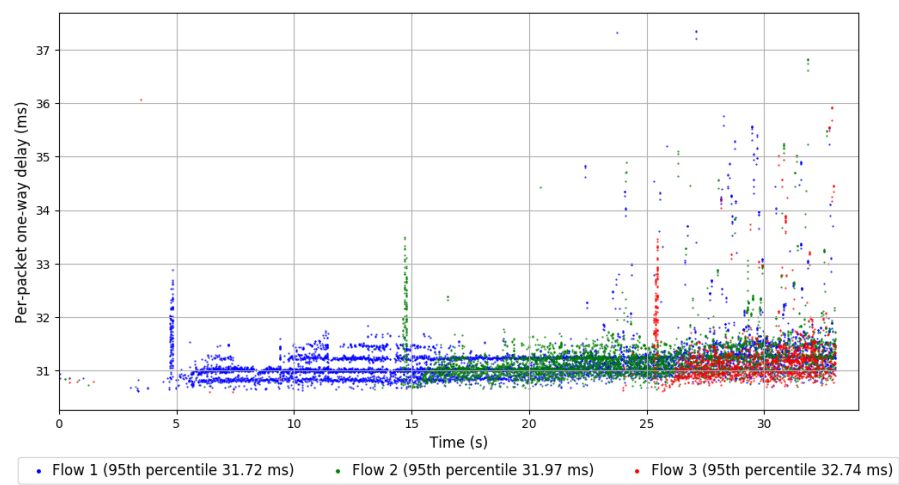
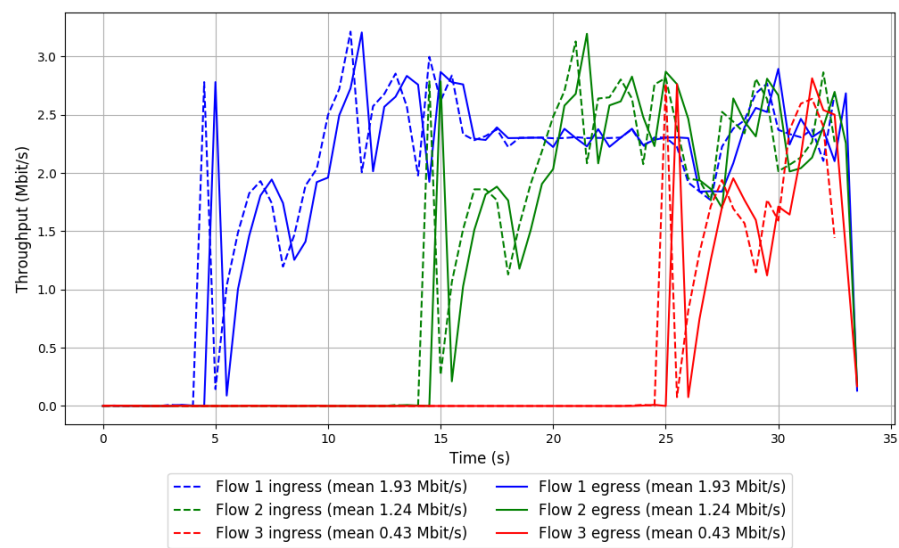


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 05:27:09
End at: 2018-08-22 05:27:39
Local clock offset: 0.353 ms
Remote clock offset: -1.156 ms

Below is generated by plot.py at 2018-08-22 06:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 31.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.722 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 31.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-22 05:50:04

End at: 2018-08-22 05:50:34

Local clock offset: 0.221 ms

Remote clock offset: -2.16 ms

Below is generated by plot.py at 2018-08-22 06:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 31.548 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.219 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 31.743 ms

Loss rate: 0.00%

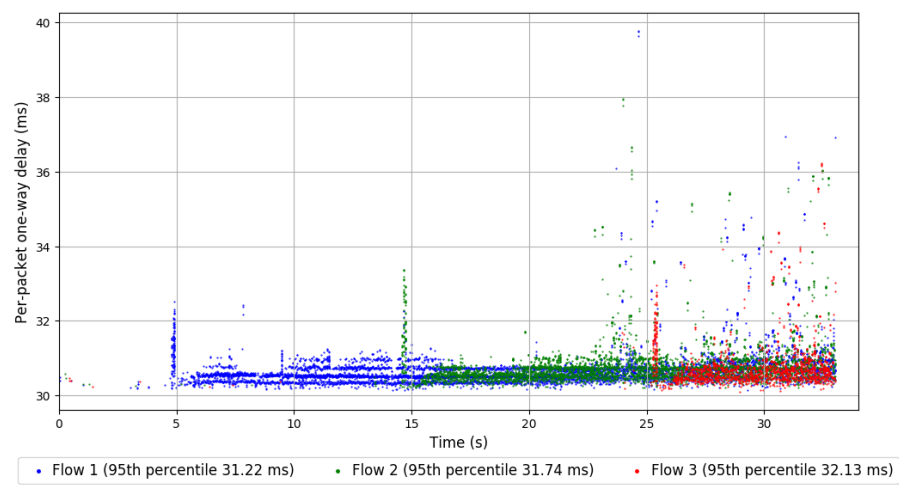
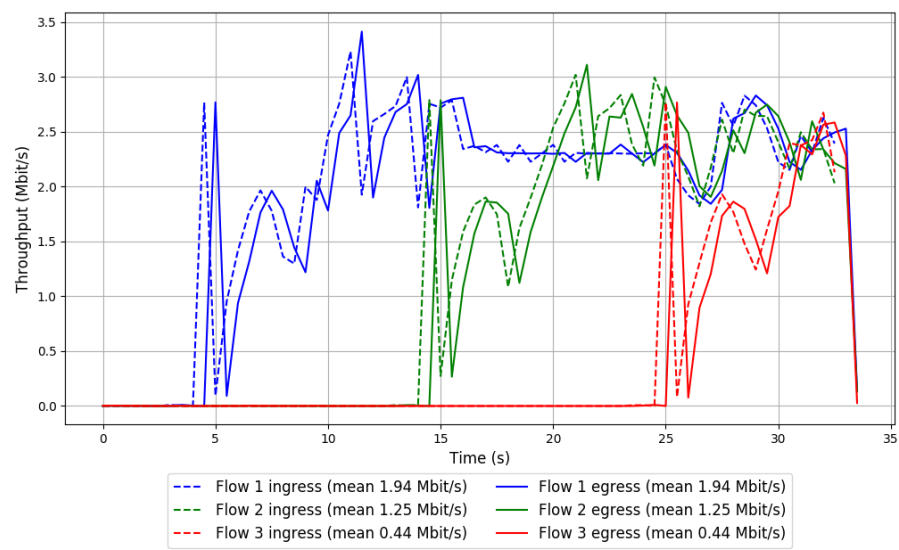
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 32.126 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 06:12:57
End at: 2018-08-22 06:13:27
Local clock offset: 0.146 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-08-22 06:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.402 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 31.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 32.521 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

