

Pantheon Report

Generated at 2018-07-24 18:17:25 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

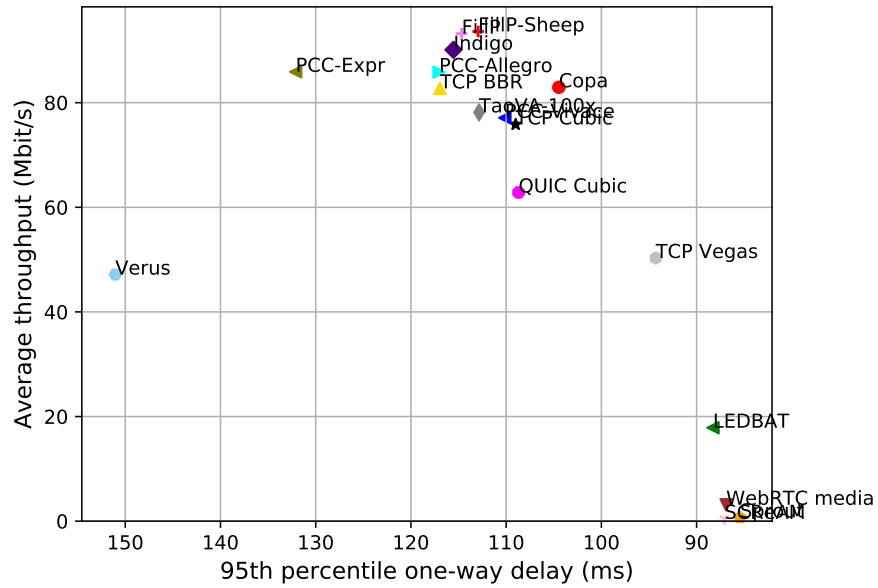
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

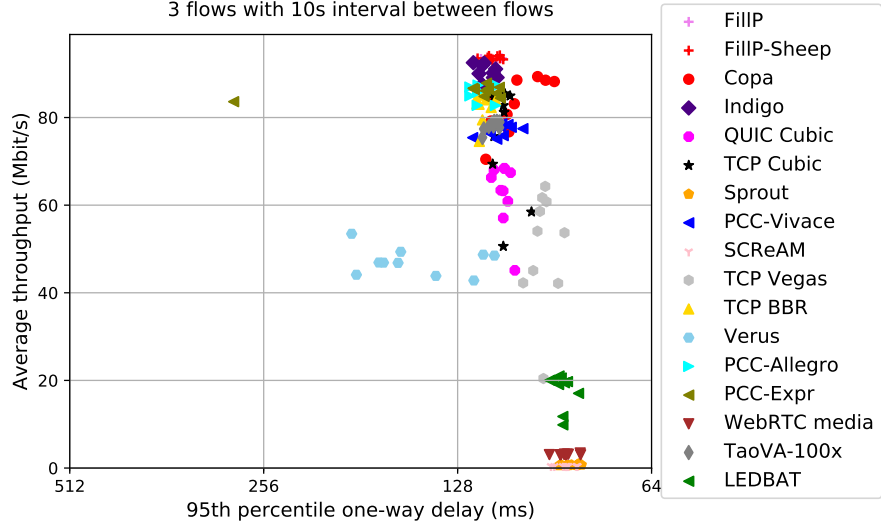
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 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	52.13	34.74	22.44	115.03	114.92	116.23	8.66	11.49	13.23
Copa	10	70.06	12.24	14.22	104.43	100.97	104.33	1.50	0.58	0.48
TCP Cubic	10	45.21	34.73	22.56	107.32	110.58	111.60	0.61	0.86	1.53
FillP	10	57.95	38.27	29.60	112.79	112.89	112.47	16.76	20.12	22.82
FillP-Sheep	10	55.64	41.03	32.20	112.28	111.46	111.57	14.92	25.53	27.60
Indigo	10	61.77	29.58	28.51	114.44	114.99	114.01	8.94	20.20	45.16
LEDBAT	10	11.03	8.29	3.98	87.76	86.86	87.68	0.03	0.02	0.01
PCC-Allegro	10	76.84	9.82	7.54	117.01	116.01	115.26	2.88	4.33	6.41
PCC-Expr	10	73.72	14.27	8.12	115.04	210.96	229.58	3.93	2.99	3.71
QUIC Cubic	10	44.85	19.74	14.91	106.77	105.85	106.95	0.82	0.64	0.51
SCReAM	10	0.22	0.22	0.22	84.80	84.54	85.36	0.00	0.00	0.00
Sprout	10	0.31	0.38	0.42	83.47	84.42	84.59	0.04	0.00	0.00
TaoVA-100x	10	47.86	35.25	20.59	112.21	112.92	112.26	4.52	8.27	10.37
TCP Vegas	10	21.71	27.14	31.65	93.90	95.43	93.82	0.62	0.85	1.67
Verus	10	31.28	19.80	10.32	147.25	130.41	132.65	53.08	42.97	33.54
PCC-Vivace	10	65.59	13.38	7.94	109.88	107.60	106.65	0.31	0.57	0.72
WebRTC media	10	1.81	1.06	0.27	86.04	83.79	85.66	0.06	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 14:31:04

End at: 2018-07-24 14:31:34

Local clock offset: -1.571 ms

Remote clock offset: 1.962 ms

Below is generated by plot.py at 2018-07-24 17:57:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 115.738 ms

Loss rate: 10.52%

-- Flow 1:

Average throughput: 55.41 Mbit/s

95th percentile per-packet one-way delay: 112.354 ms

Loss rate: 9.46%

-- Flow 2:

Average throughput: 31.09 Mbit/s

95th percentile per-packet one-way delay: 115.957 ms

Loss rate: 12.63%

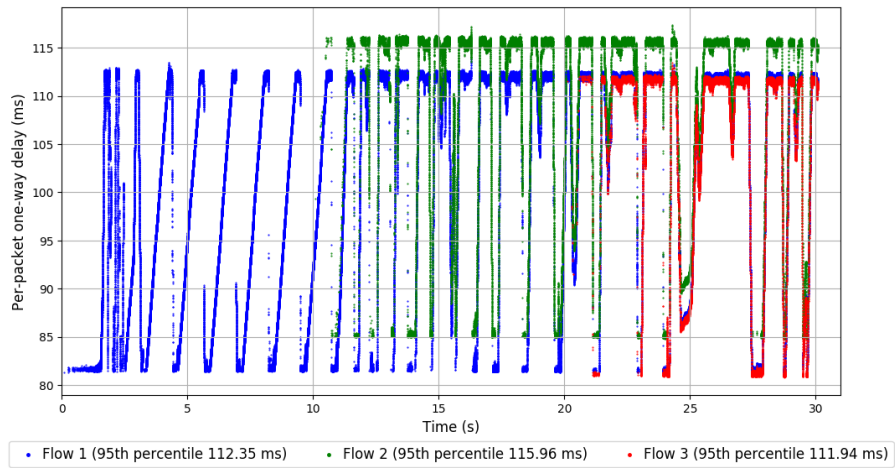
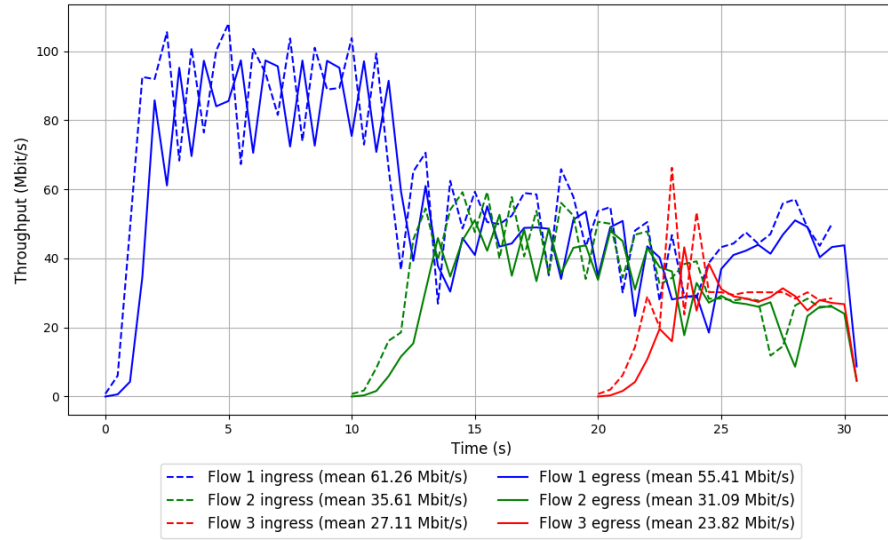
-- Flow 3:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 111.935 ms

Loss rate: 12.12%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-24 14:52:14

End at: 2018-07-24 14:52:44

Local clock offset: -6.443 ms

Remote clock offset: 3.968 ms

Below is generated by plot.py at 2018-07-24 17:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 116.829 ms

Loss rate: 9.90%

-- Flow 1:

Average throughput: 50.98 Mbit/s

95th percentile per-packet one-way delay: 111.541 ms

Loss rate: 8.12%

-- Flow 2:

Average throughput: 38.93 Mbit/s

95th percentile per-packet one-way delay: 111.422 ms

Loss rate: 11.59%

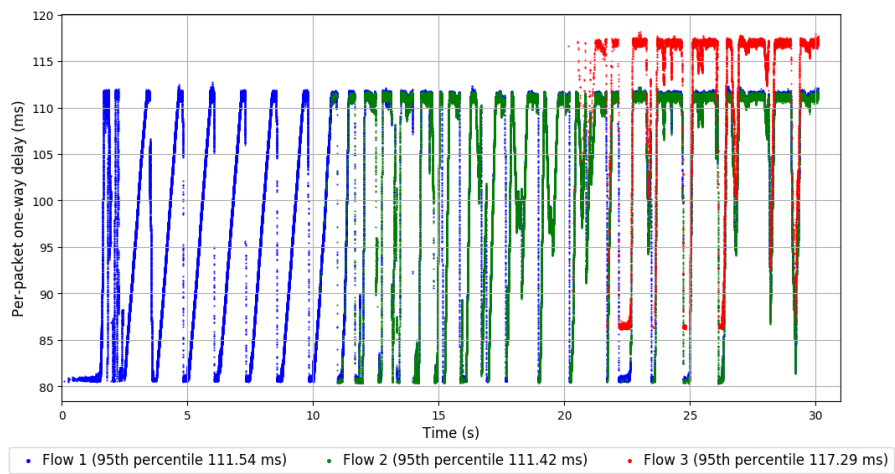
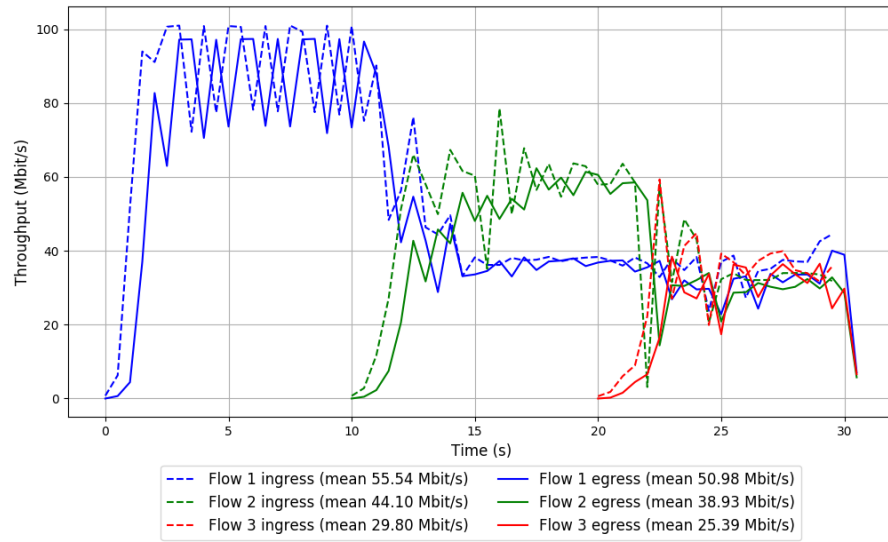
-- Flow 3:

Average throughput: 25.39 Mbit/s

95th percentile per-packet one-way delay: 117.289 ms

Loss rate: 14.85%

Run 2: Report of TCP BBR — Data Link

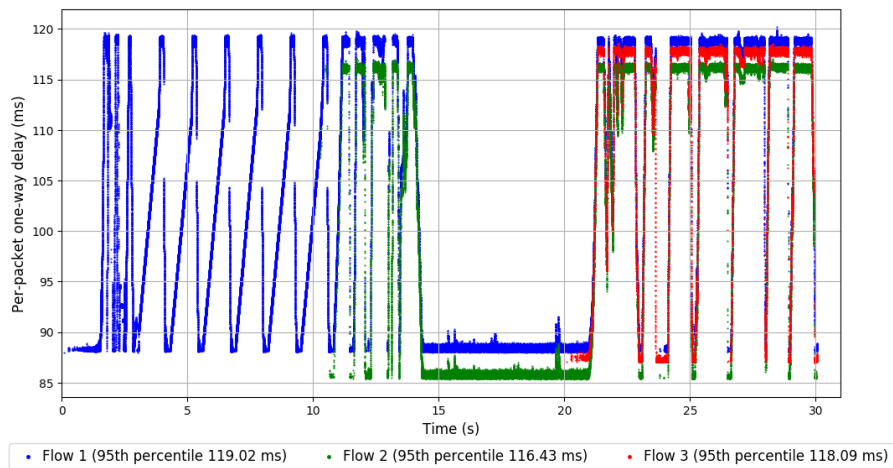
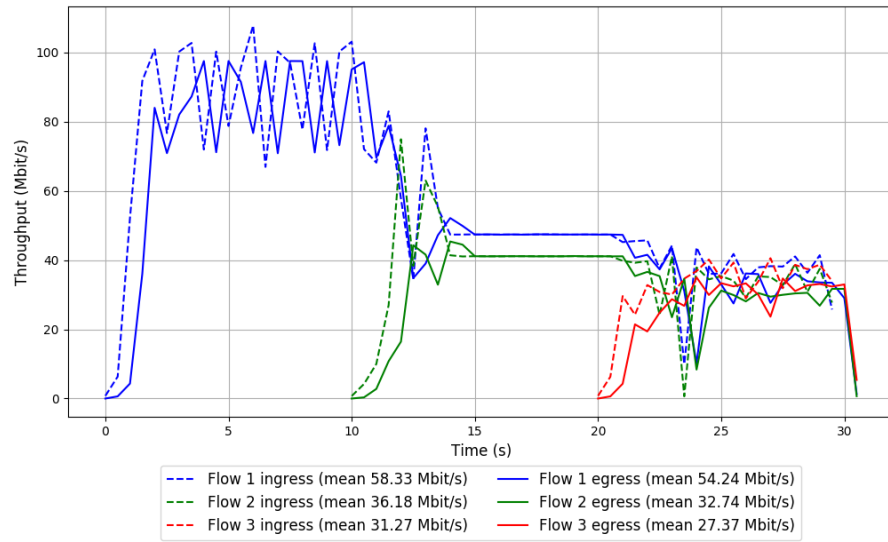


Run 3: Statistics of TCP BBR

Start at: 2018-07-24 15:13:30
End at: 2018-07-24 15:14:00
Local clock offset: -2.813 ms
Remote clock offset: 16.466 ms

Below is generated by plot.py at 2018-07-24 17:57:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 118.945 ms
Loss rate: 8.30%
-- Flow 1:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 119.023 ms
Loss rate: 7.01%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 116.426 ms
Loss rate: 9.60%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 118.092 ms
Loss rate: 12.49%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-24 15:34:41

End at: 2018-07-24 15:35:11

Local clock offset: -2.84 ms

Remote clock offset: 19.22 ms

Below is generated by plot.py at 2018-07-24 17:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.10 Mbit/s

95th percentile per-packet one-way delay: 119.509 ms

Loss rate: 8.46%

-- Flow 1:

Average throughput: 53.62 Mbit/s

95th percentile per-packet one-way delay: 119.353 ms

Loss rate: 6.56%

-- Flow 2:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 119.693 ms

Loss rate: 9.49%

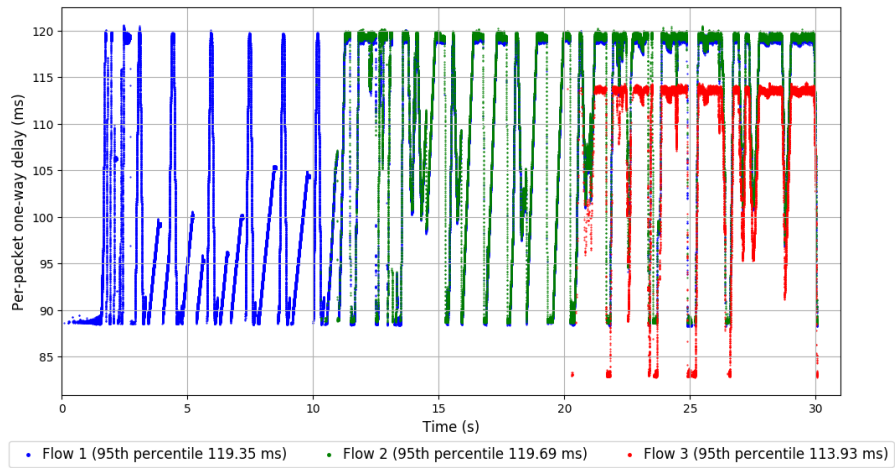
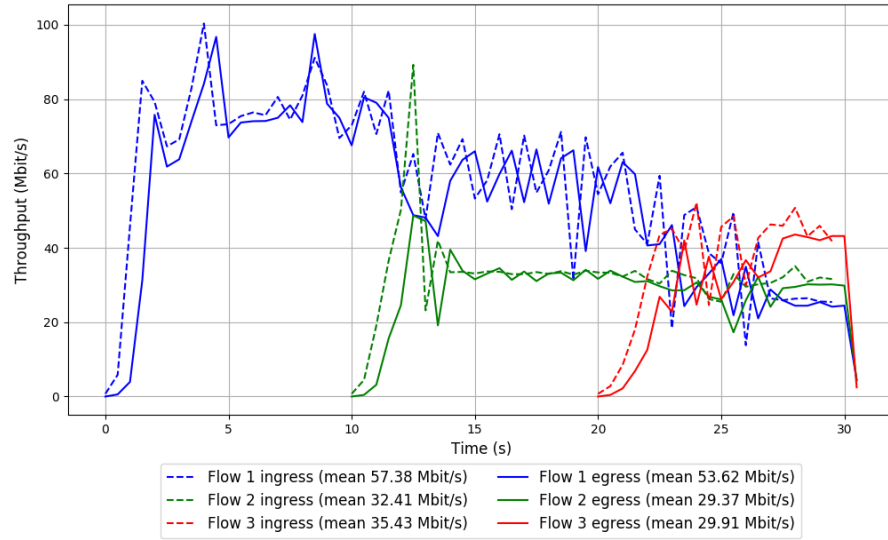
-- Flow 3:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 113.927 ms

Loss rate: 15.83%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-24 15:55:54

End at: 2018-07-24 15:56:24

Local clock offset: -7.72 ms

Remote clock offset: 9.547 ms

Below is generated by plot.py at 2018-07-24 17:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.56 Mbit/s

95th percentile per-packet one-way delay: 118.442 ms

Loss rate: 8.06%

-- Flow 1:

Average throughput: 44.07 Mbit/s

95th percentile per-packet one-way delay: 118.053 ms

Loss rate: 8.27%

-- Flow 2:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 118.656 ms

Loss rate: 7.93%

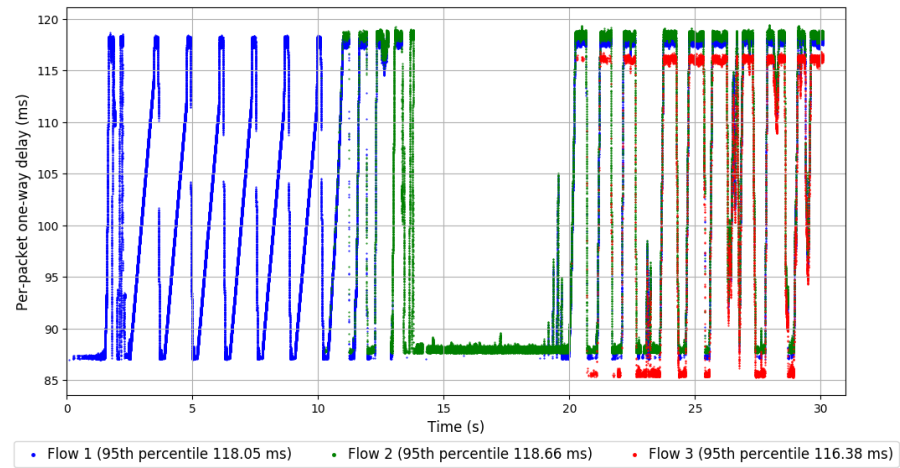
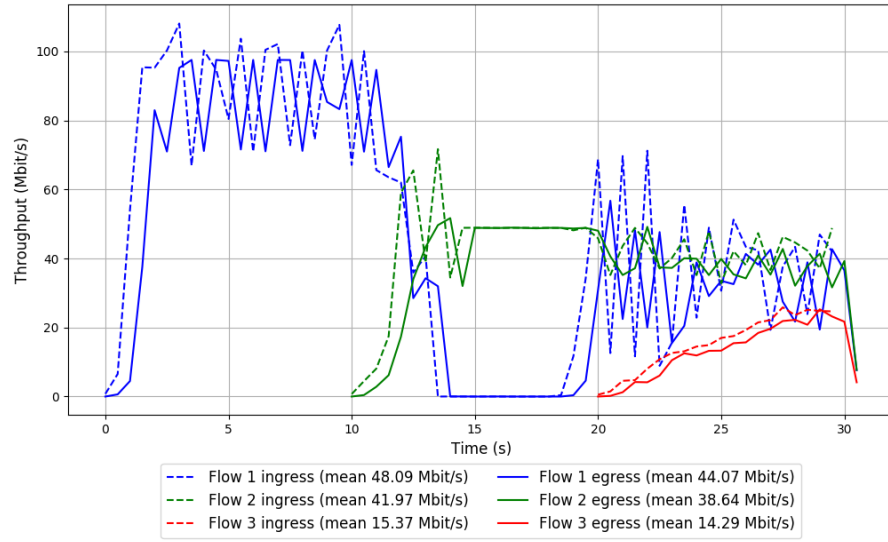
-- Flow 3:

Average throughput: 14.29 Mbit/s

95th percentile per-packet one-way delay: 116.378 ms

Loss rate: 6.85%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-24 16:17:08

End at: 2018-07-24 16:17:38

Local clock offset: -7.103 ms

Remote clock offset: 2.748 ms

Below is generated by plot.py at 2018-07-24 17:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.30 Mbit/s

95th percentile per-packet one-way delay: 113.545 ms

Loss rate: 11.59%

-- Flow 1:

Average throughput: 47.84 Mbit/s

95th percentile per-packet one-way delay: 113.629 ms

Loss rate: 9.51%

-- Flow 2:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 111.876 ms

Loss rate: 13.97%

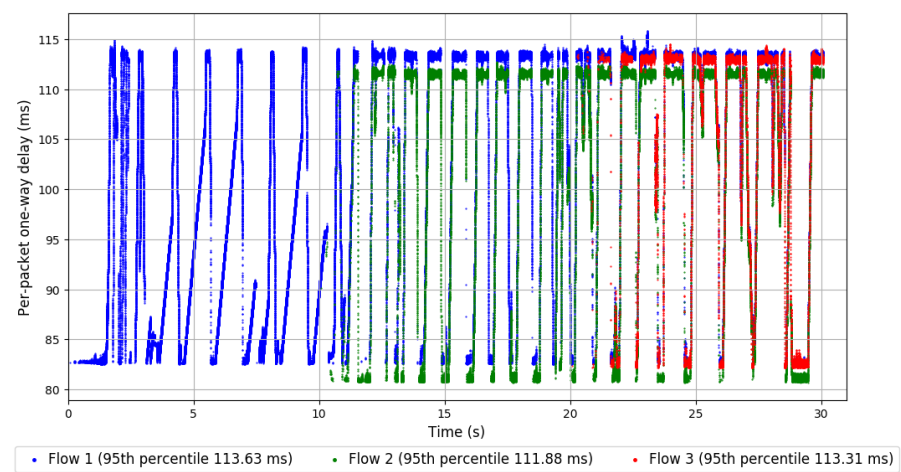
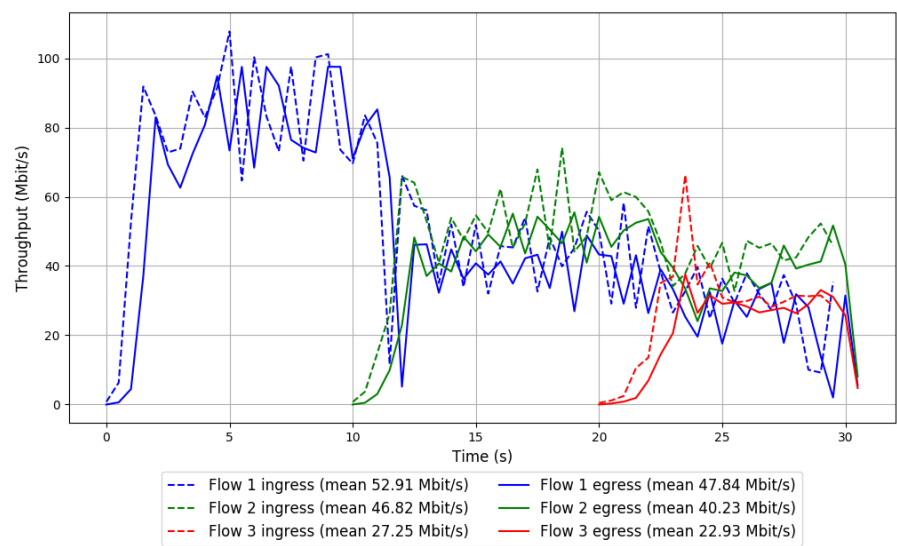
-- Flow 3:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 113.314 ms

Loss rate: 15.59%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-24 16:38:21

End at: 2018-07-24 16:38:51

Local clock offset: -4.906 ms

Remote clock offset: 4.94 ms

Below is generated by plot.py at 2018-07-24 17:57:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 119.156 ms

Loss rate: 9.24%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 115.386 ms

Loss rate: 8.20%

-- Flow 2:

Average throughput: 33.39 Mbit/s

95th percentile per-packet one-way delay: 114.586 ms

Loss rate: 10.54%

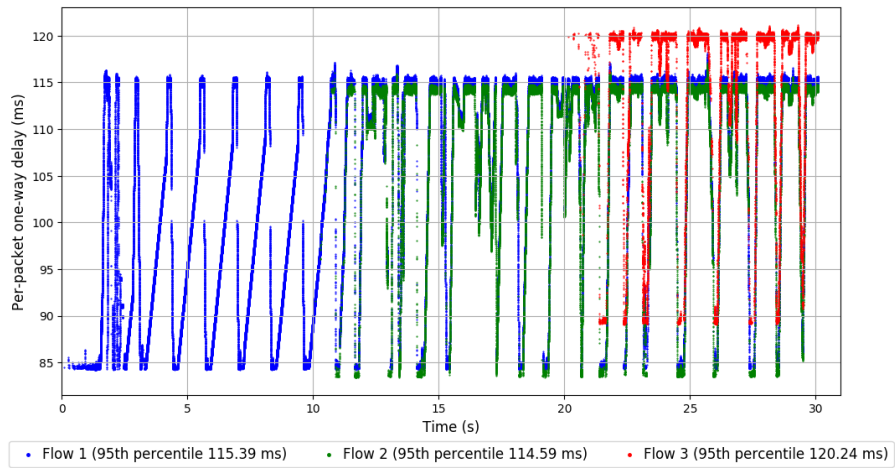
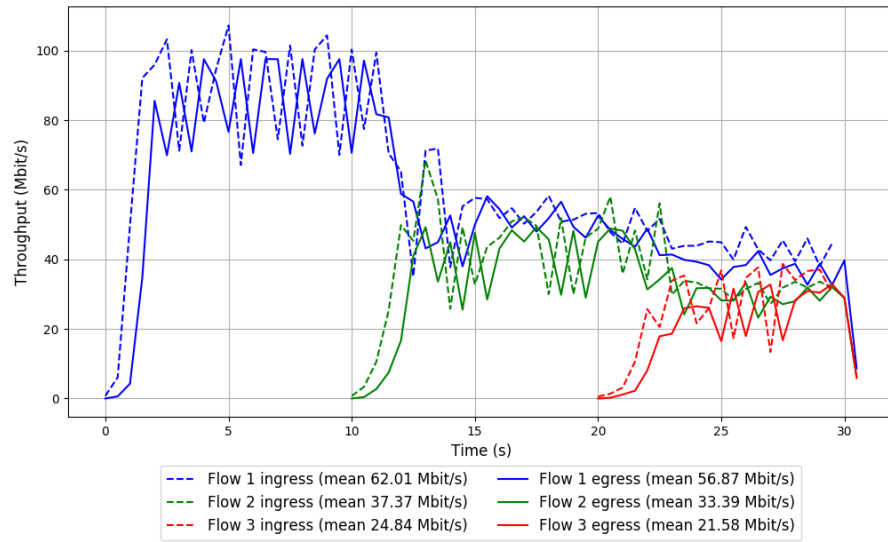
-- Flow 3:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 120.238 ms

Loss rate: 13.16%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-24 16:59:42

End at: 2018-07-24 17:00:12

Local clock offset: -2.555 ms

Remote clock offset: 3.757 ms

Below is generated by plot.py at 2018-07-24 17:57:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 118.542 ms

Loss rate: 12.94%

-- Flow 1:

Average throughput: 52.26 Mbit/s

95th percentile per-packet one-way delay: 117.377 ms

Loss rate: 10.57%

-- Flow 2:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 111.436 ms

Loss rate: 14.61%

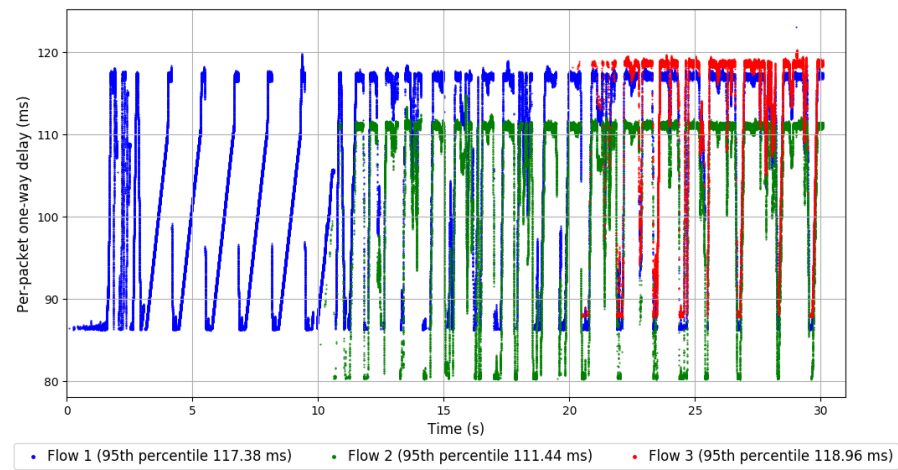
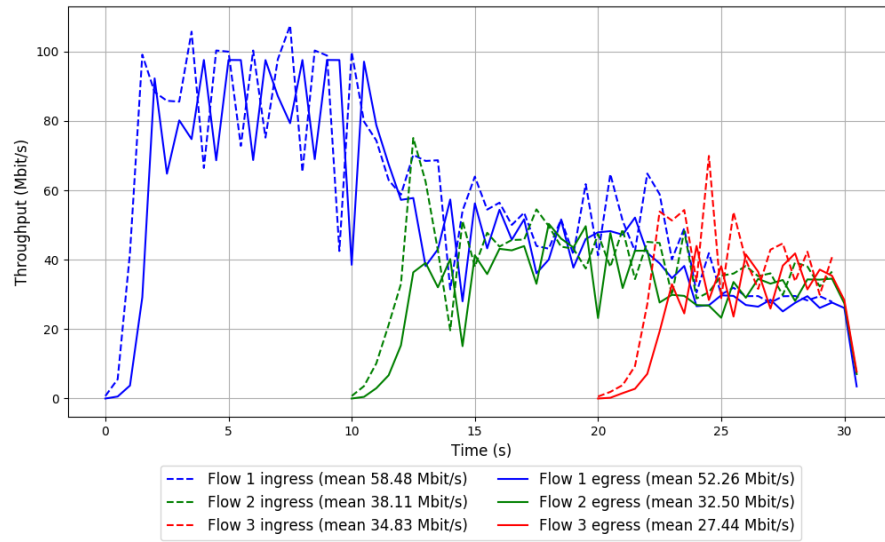
-- Flow 3:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 118.962 ms

Loss rate: 21.29%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-24 17:20:50

End at: 2018-07-24 17:21:20

Local clock offset: -7.093 ms

Remote clock offset: 5.169 ms

Below is generated by plot.py at 2018-07-24 17:58:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 111.688 ms

Loss rate: 11.19%

-- Flow 1:

Average throughput: 54.59 Mbit/s

95th percentile per-packet one-way delay: 110.362 ms

Loss rate: 10.39%

-- Flow 2:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 111.856 ms

Loss rate: 12.37%

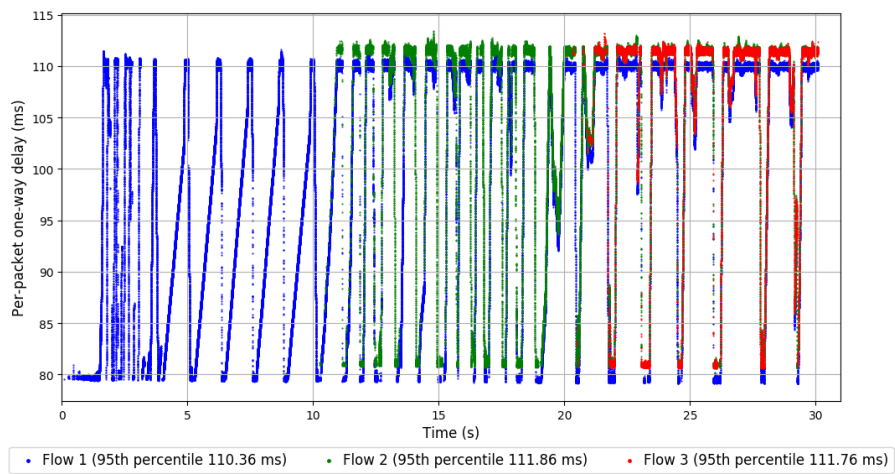
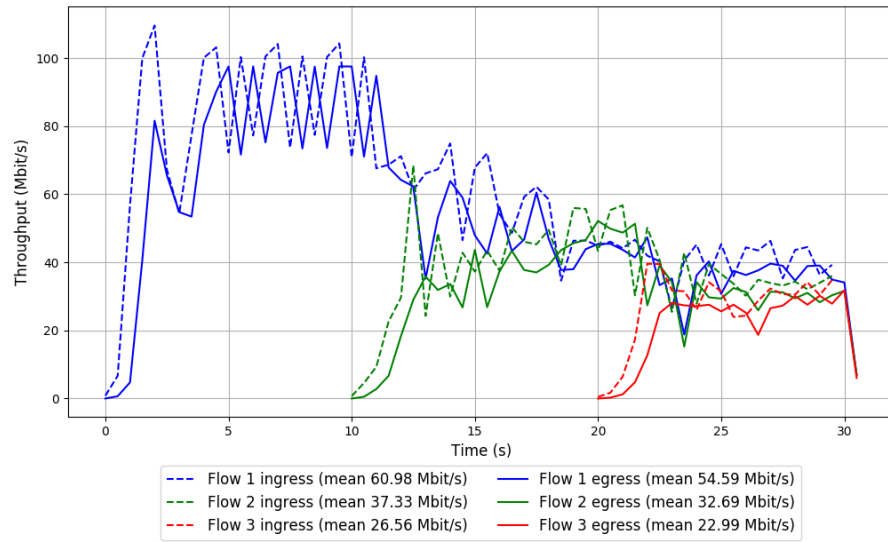
-- Flow 3:

Average throughput: 22.99 Mbit/s

95th percentile per-packet one-way delay: 111.762 ms

Loss rate: 13.43%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-24 17:42:01

End at: 2018-07-24 17:42:31

Local clock offset: -4.091 ms

Remote clock offset: 12.44 ms

Below is generated by plot.py at 2018-07-24 17:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 117.136 ms

Loss rate: 9.63%

-- Flow 1:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 113.225 ms

Loss rate: 8.47%

-- Flow 2:

Average throughput: 37.83 Mbit/s

95th percentile per-packet one-way delay: 117.276 ms

Loss rate: 12.20%

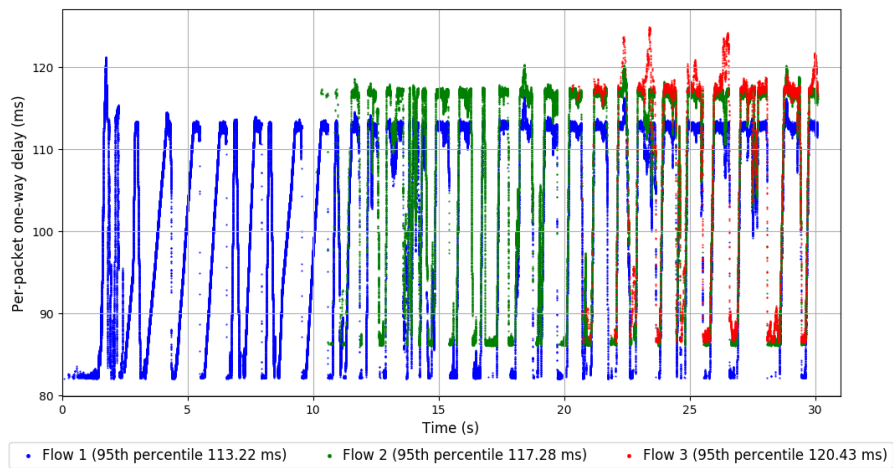
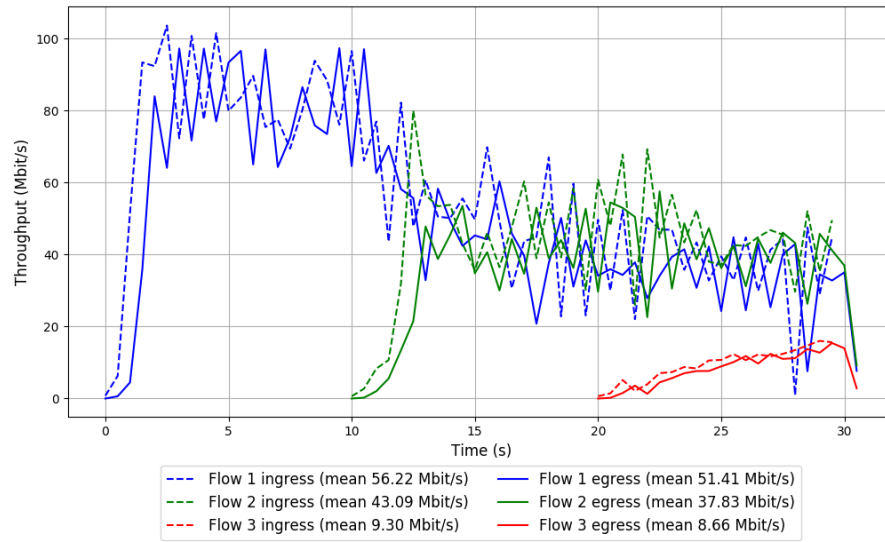
-- Flow 3:

Average throughput: 8.66 Mbit/s

95th percentile per-packet one-way delay: 120.432 ms

Loss rate: 6.67%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-24 14:27:17

End at: 2018-07-24 14:27:47

Local clock offset: -1.823 ms

Remote clock offset: 2.514 ms

Below is generated by plot.py at 2018-07-24 17:59:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 90.594 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 90.338 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 92.055 ms

Loss rate: 0.02%

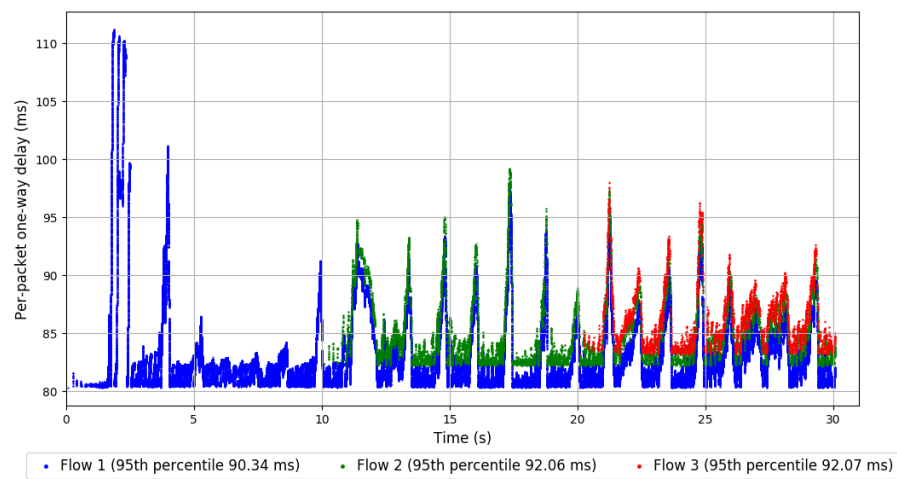
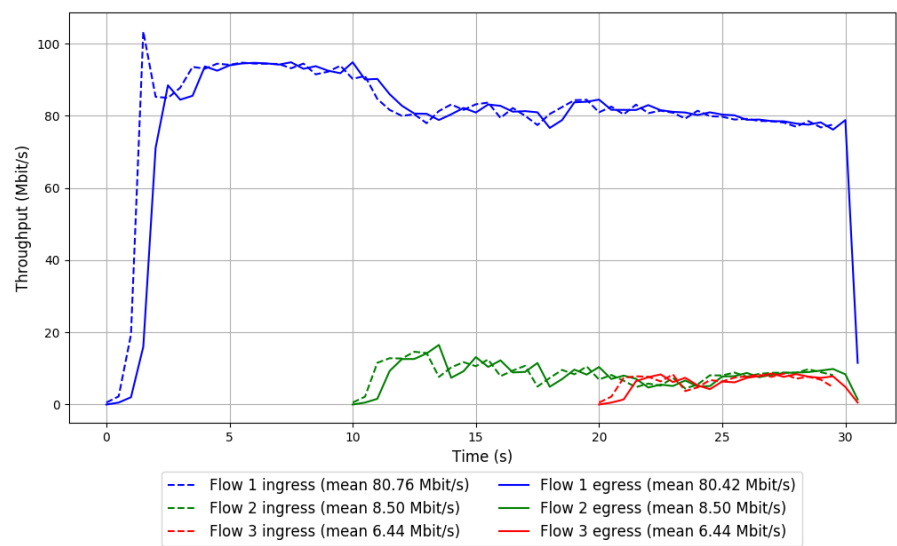
-- Flow 3:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 92.066 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-24 14:48:28

End at: 2018-07-24 14:48:58

Local clock offset: -6.068 ms

Remote clock offset: 3.908 ms

Below is generated by plot.py at 2018-07-24 17:59:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.47 Mbit/s

95th percentile per-packet one-way delay: 115.742 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 117.042 ms

Loss rate: 4.03%

-- Flow 2:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 110.963 ms

Loss rate: 1.72%

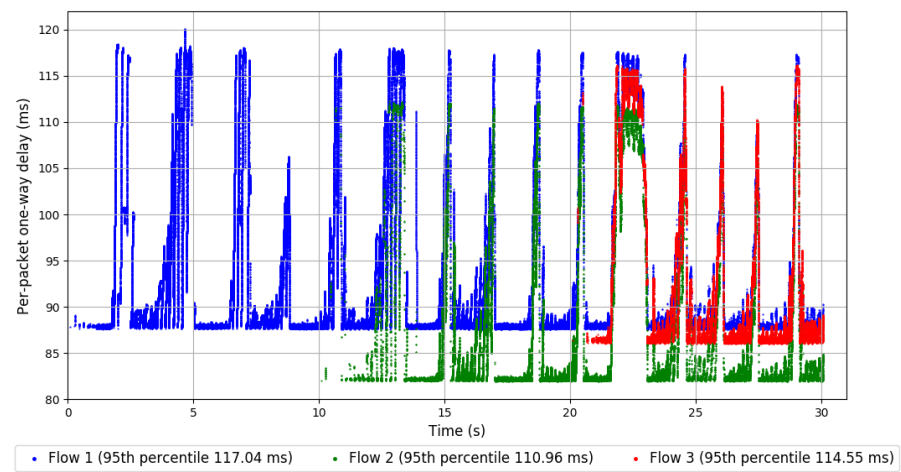
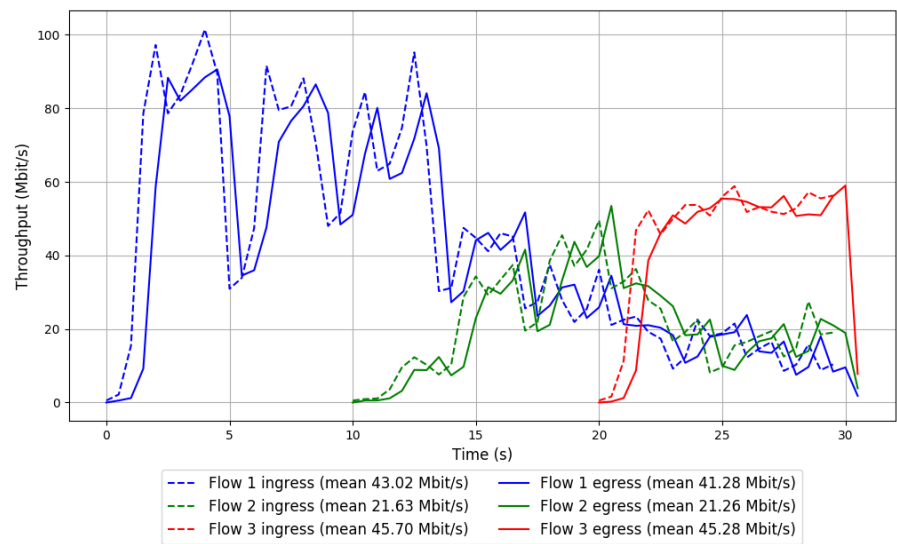
-- Flow 3:

Average throughput: 45.28 Mbit/s

95th percentile per-packet one-way delay: 114.546 ms

Loss rate: 0.95%

Run 2: Report of Copa — Data Link

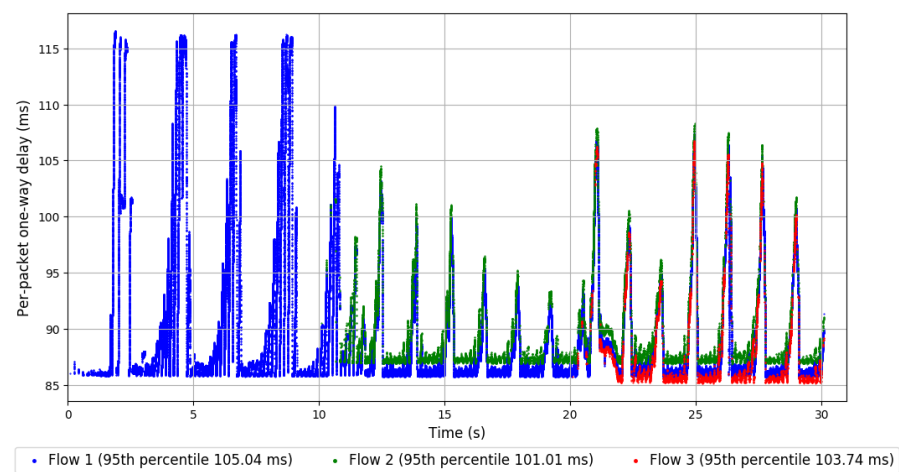
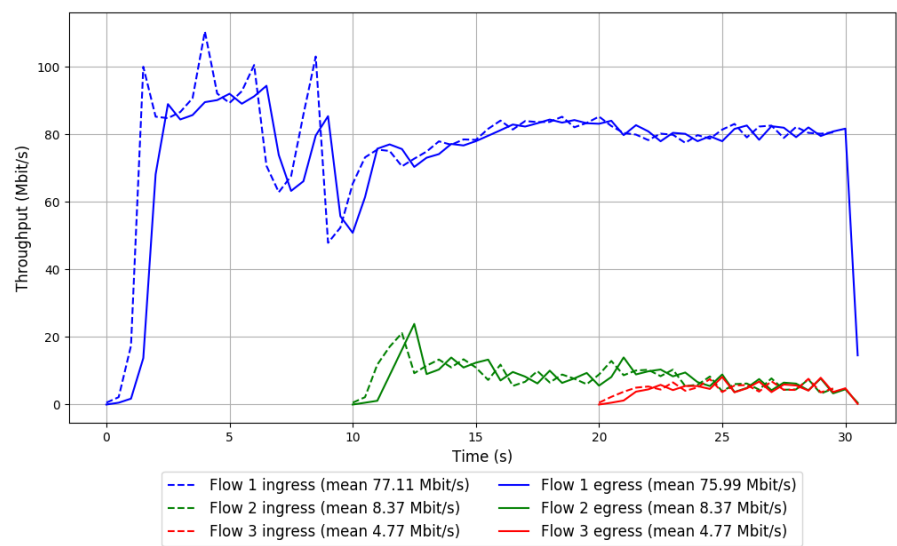


Run 3: Statistics of Copa

Start at: 2018-07-24 15:09:44
End at: 2018-07-24 15:10:14
Local clock offset: -3.688 ms
Remote clock offset: 14.707 ms

Below is generated by plot.py at 2018-07-24 17:59:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 104.528 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 105.040 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 101.011 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 103.744 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

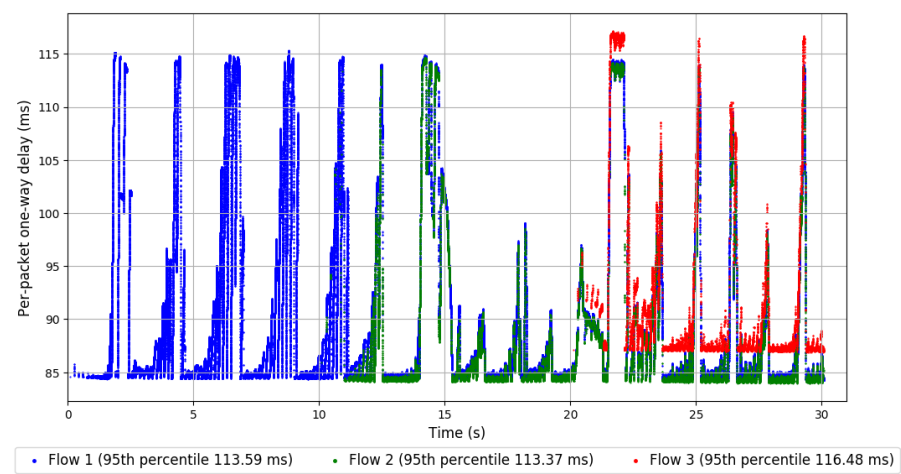
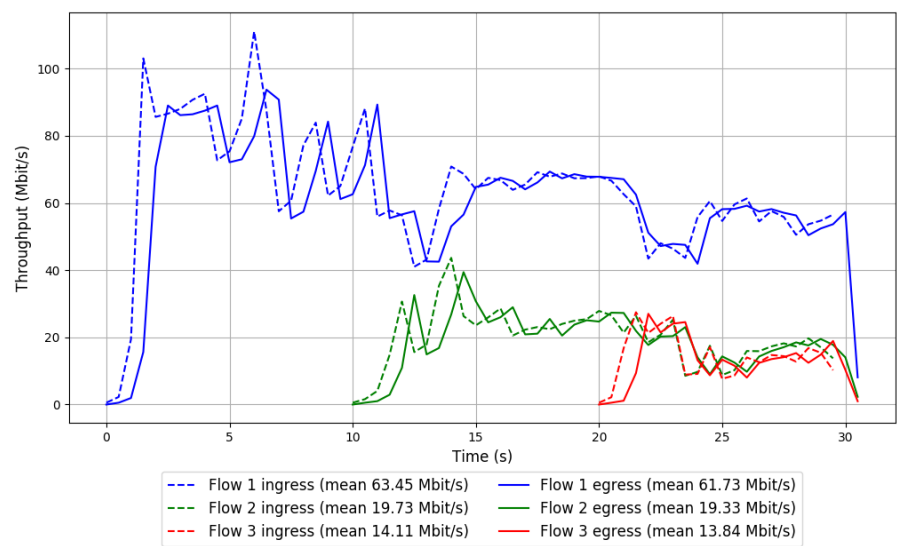


Run 4: Statistics of Copa

Start at: 2018-07-24 15:30:54
End at: 2018-07-24 15:31:24
Local clock offset: -0.957 ms
Remote clock offset: 19.666 ms

```
# Below is generated by plot.py at 2018-07-24 17:59:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 113.624 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 113.590 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 113.366 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 116.481 ms
Loss rate: 1.89%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-24 15:52:05

End at: 2018-07-24 15:52:35

Local clock offset: -7.292 ms

Remote clock offset: 4.262 ms

Below is generated by plot.py at 2018-07-24 17:59:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 93.490 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 79.89 Mbit/s

95th percentile per-packet one-way delay: 91.771 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 91.175 ms

Loss rate: 0.00%

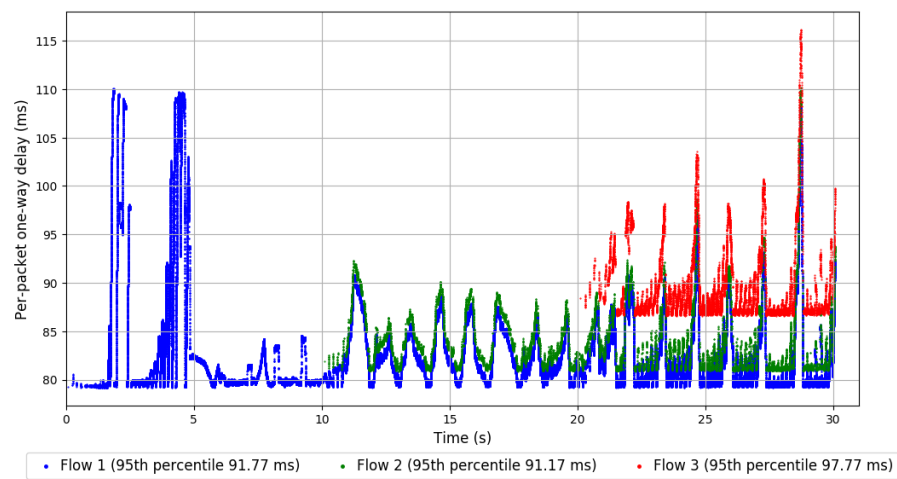
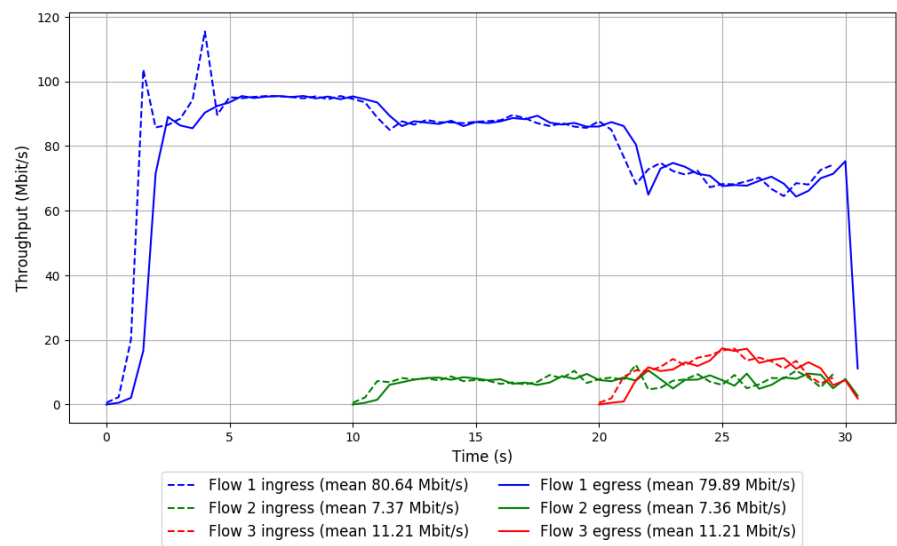
-- Flow 3:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 97.767 ms

Loss rate: 0.03%

Run 5: Report of Copa — Data Link

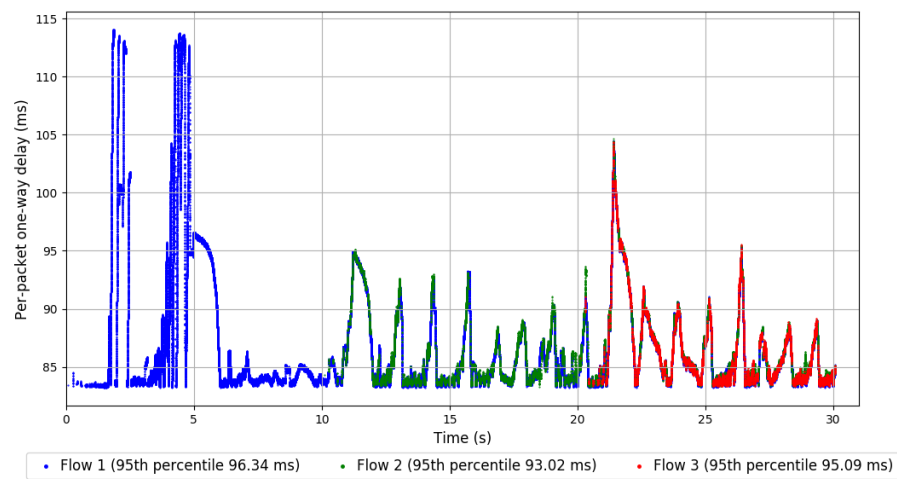
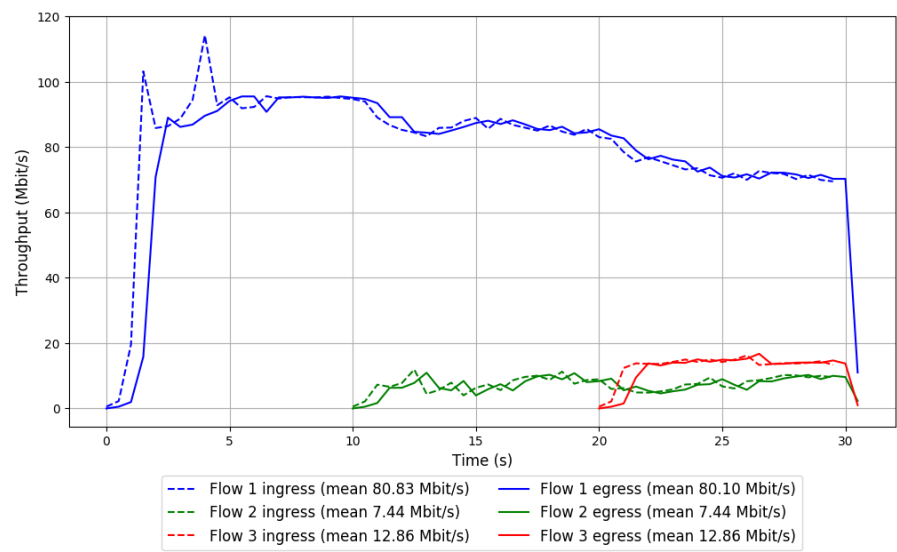


Run 6: Statistics of Copa

Start at: 2018-07-24 16:13:19
End at: 2018-07-24 16:13:49
Local clock offset: -7.185 ms
Remote clock offset: 5.929 ms

Below is generated by plot.py at 2018-07-24 17:59:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 96.167 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 96.338 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 93.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 95.087 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-24 16:34:33

End at: 2018-07-24 16:35:03

Local clock offset: -5.96 ms

Remote clock offset: 6.14 ms

Below is generated by plot.py at 2018-07-24 18:00:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 103.576 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 81.57 Mbit/s

95th percentile per-packet one-way delay: 103.709 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 97.796 ms

Loss rate: 0.00%

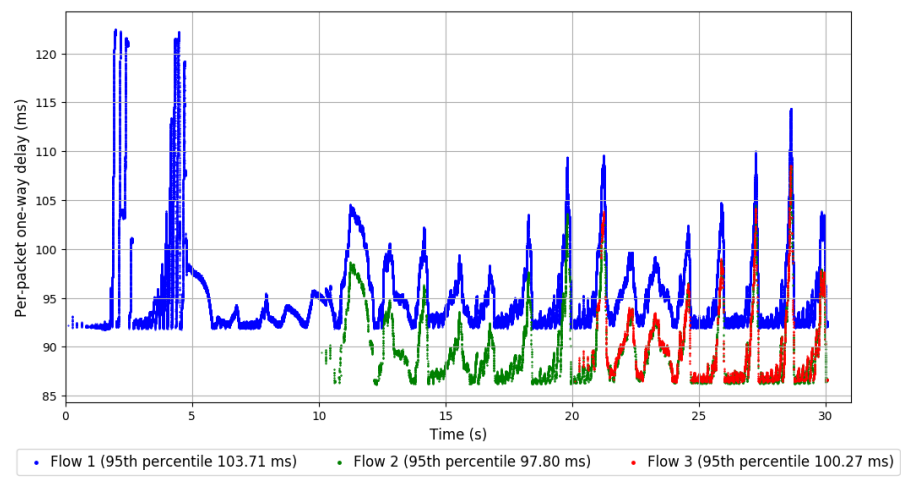
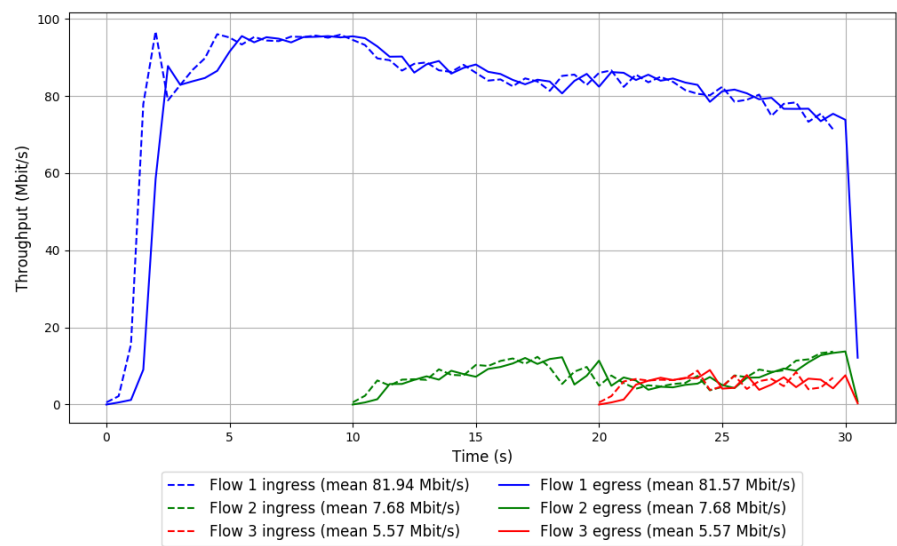
-- Flow 3:

Average throughput: 5.57 Mbit/s

95th percentile per-packet one-way delay: 100.270 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-24 16:55:54

End at: 2018-07-24 16:56:24

Local clock offset: -2.768 ms

Remote clock offset: 2.469 ms

Below is generated by plot.py at 2018-07-24 18:00:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 113.108 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 77.24 Mbit/s

95th percentile per-packet one-way delay: 114.066 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 110.050 ms

Loss rate: 0.94%

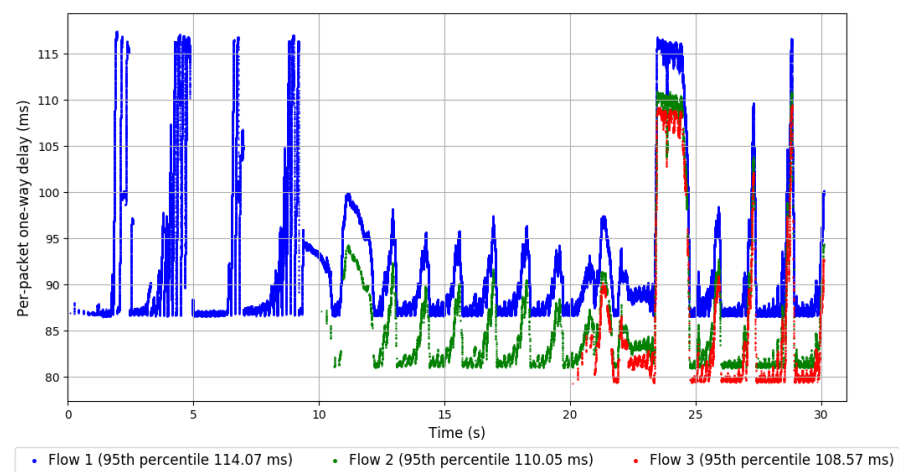
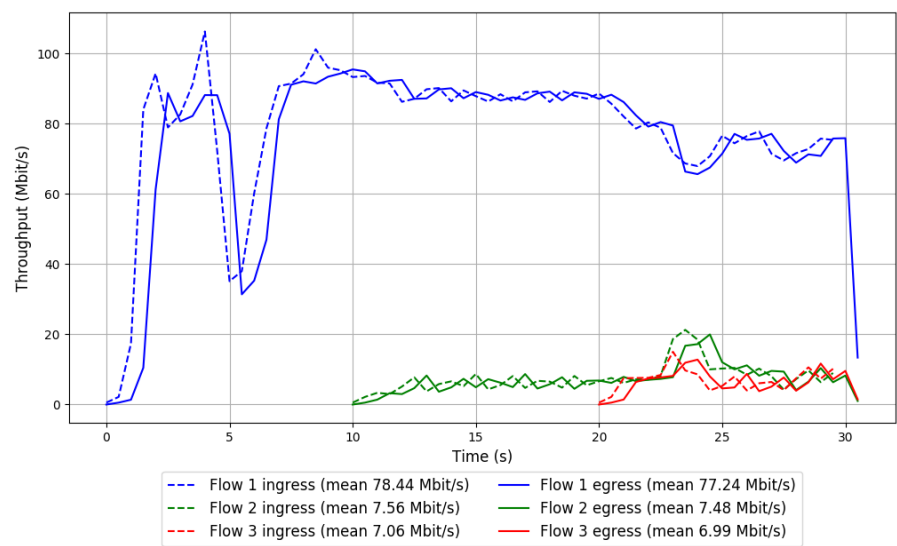
-- Flow 3:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 108.572 ms

Loss rate: 0.94%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-24 17:17:04

End at: 2018-07-24 17:17:34

Local clock offset: -6.732 ms

Remote clock offset: 4.215 ms

Below is generated by plot.py at 2018-07-24 18:01:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 107.272 ms

Loss rate: 1.96%

-- Flow 1:

Average throughput: 68.29 Mbit/s

95th percentile per-packet one-way delay: 108.407 ms

Loss rate: 2.24%

-- Flow 2:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 96.301 ms

Loss rate: 0.37%

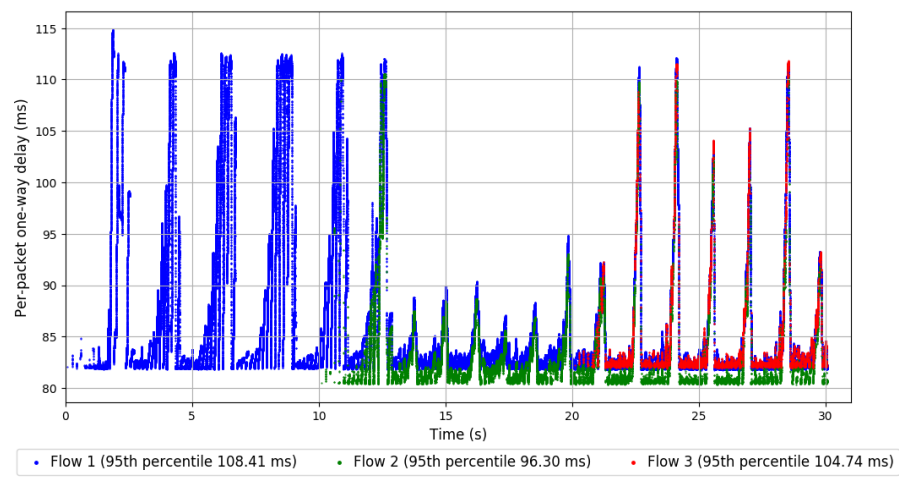
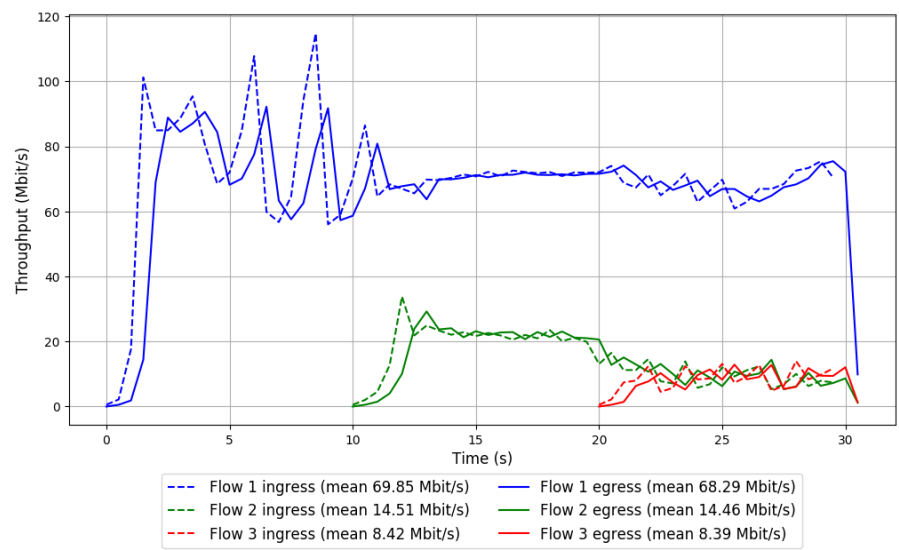
-- Flow 3:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 104.736 ms

Loss rate: 0.34%

Run 9: Report of Copa — Data Link

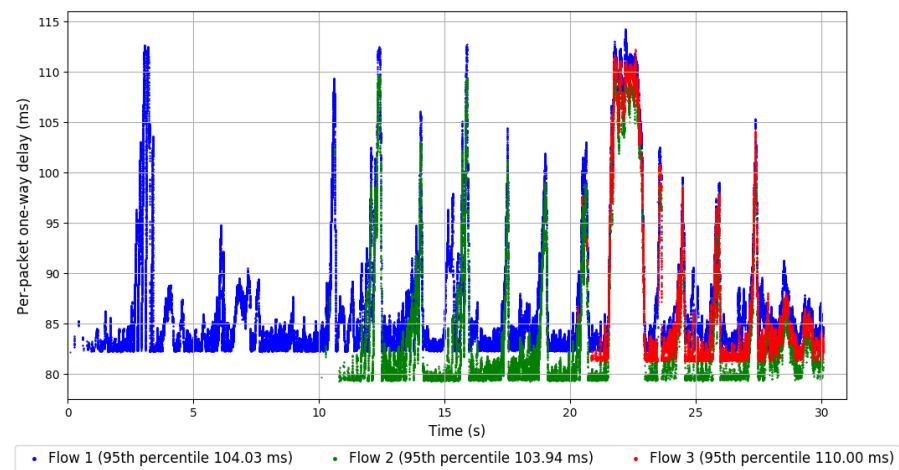
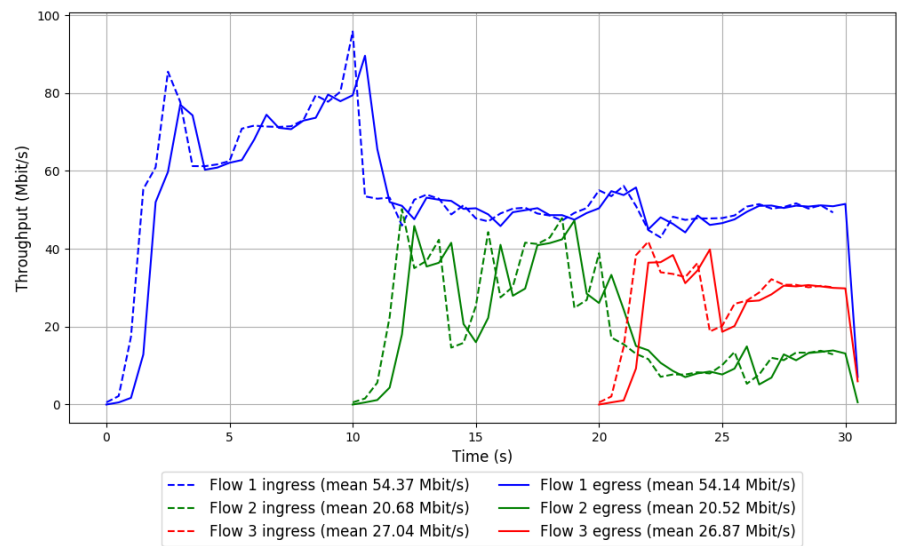


Run 10: Statistics of Copa

Start at: 2018-07-24 17:38:15
End at: 2018-07-24 17:38:45
Local clock offset: -5.003 ms
Remote clock offset: 10.764 ms

```
# Below is generated by plot.py at 2018-07-24 18:01:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 106.563 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 104.026 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 103.937 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 109.999 ms
Loss rate: 0.60%
```

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 14:33:31

End at: 2018-07-24 14:34:01

Local clock offset: -2.579 ms

Remote clock offset: 7.185 ms

Below is generated by plot.py at 2018-07-24 18:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.22 Mbit/s

95th percentile per-packet one-way delay: 108.423 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 106.158 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 28.81 Mbit/s

95th percentile per-packet one-way delay: 112.179 ms

Loss rate: 0.90%

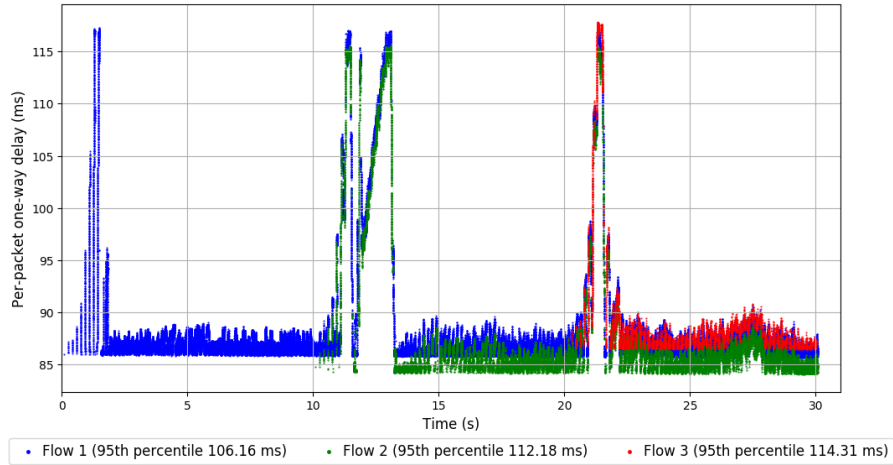
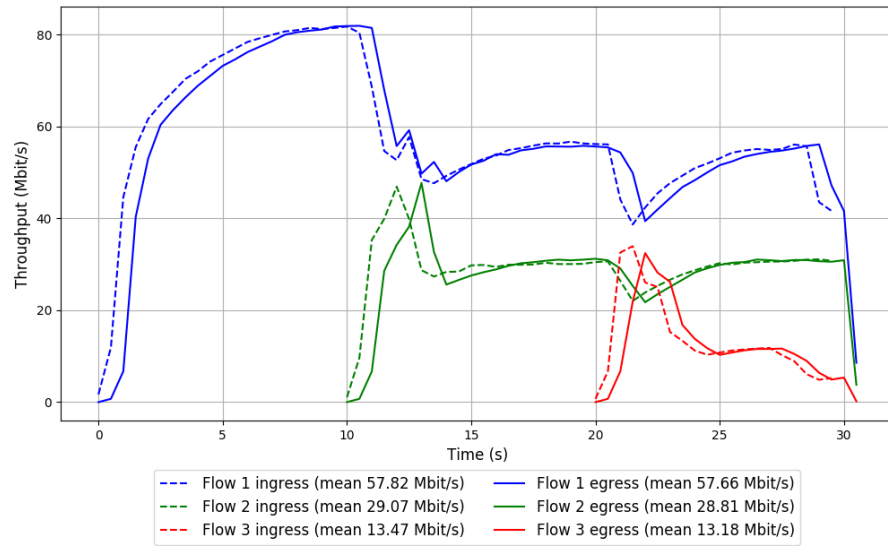
-- Flow 3:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 114.314 ms

Loss rate: 2.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 14:54:44

End at: 2018-07-24 14:55:14

Local clock offset: -6.686 ms

Remote clock offset: 9.07 ms

Below is generated by plot.py at 2018-07-24 18:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.37 Mbit/s

95th percentile per-packet one-way delay: 112.940 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 112.011 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 112.405 ms

Loss rate: 0.86%

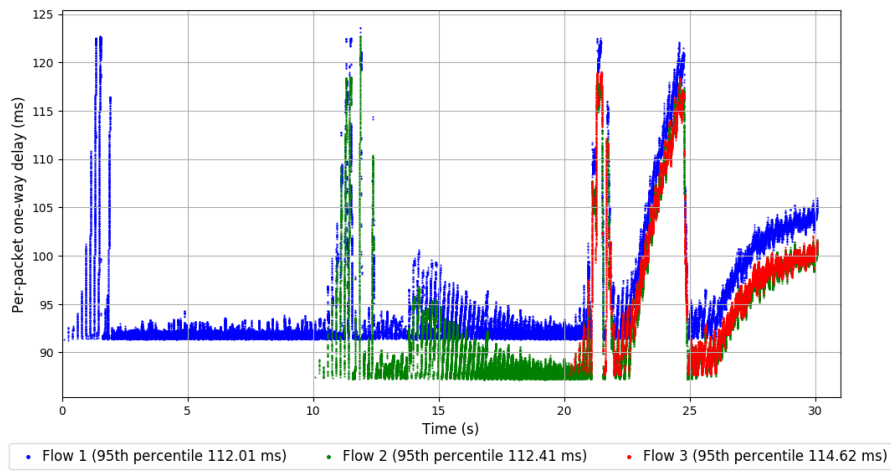
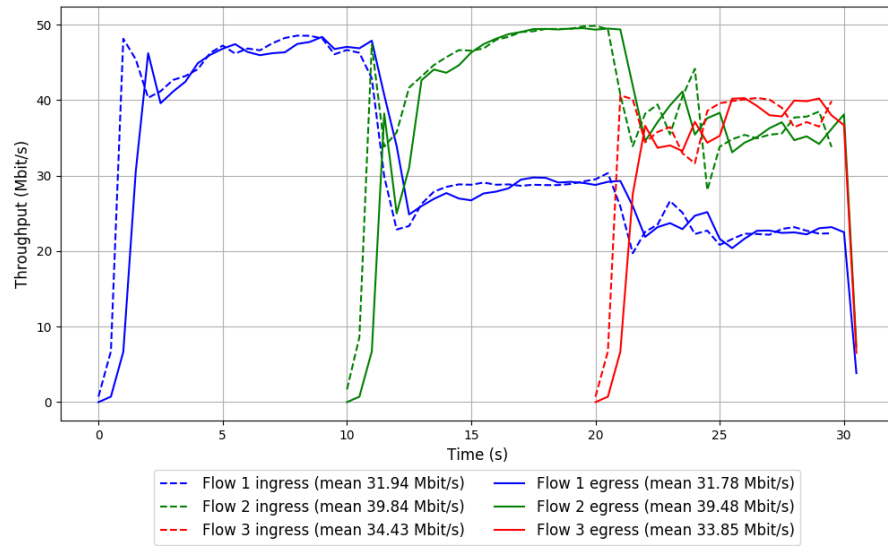
-- Flow 3:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 114.619 ms

Loss rate: 1.57%

Run 2: Report of TCP Cubic — Data Link

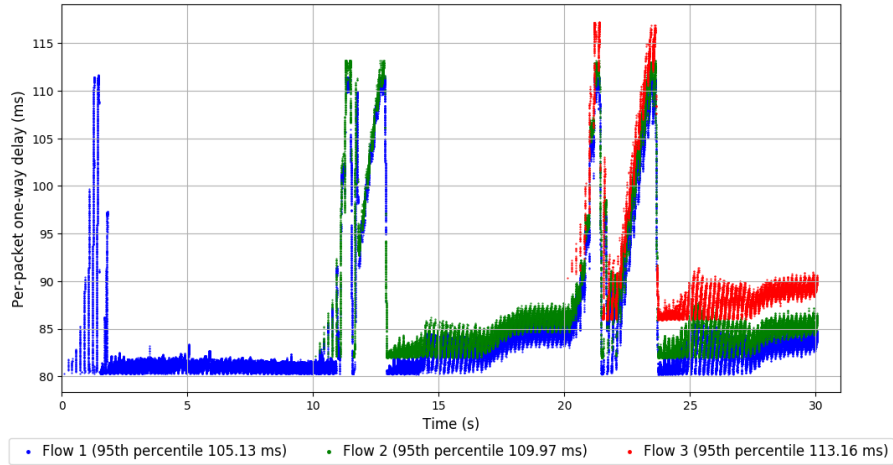
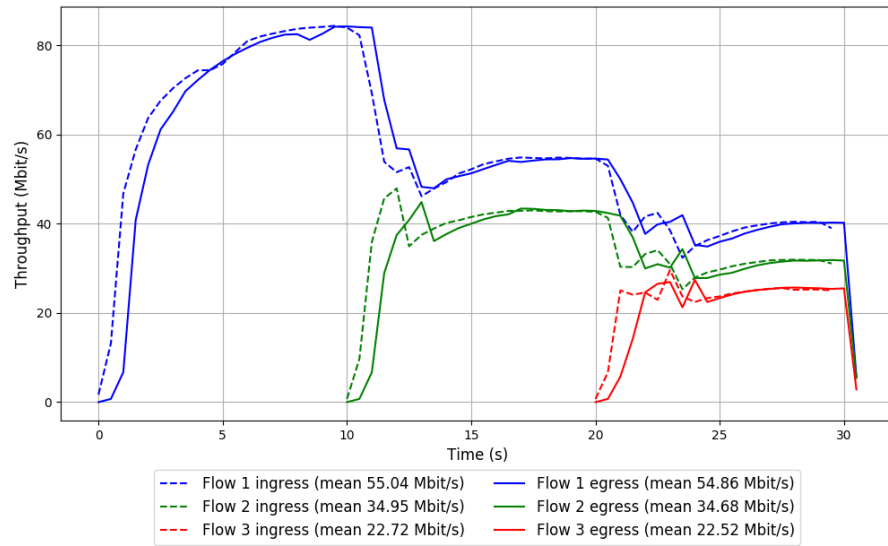


Run 3: Statistics of TCP Cubic

Start at: 2018-07-24 15:15:58
End at: 2018-07-24 15:16:28
Local clock offset: -2.375 ms
Remote clock offset: 12.179 ms

Below is generated by plot.py at 2018-07-24 18:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 108.115 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 105.128 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 109.975 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 113.155 ms
Loss rate: 0.93%

Run 3: Report of TCP Cubic — Data Link

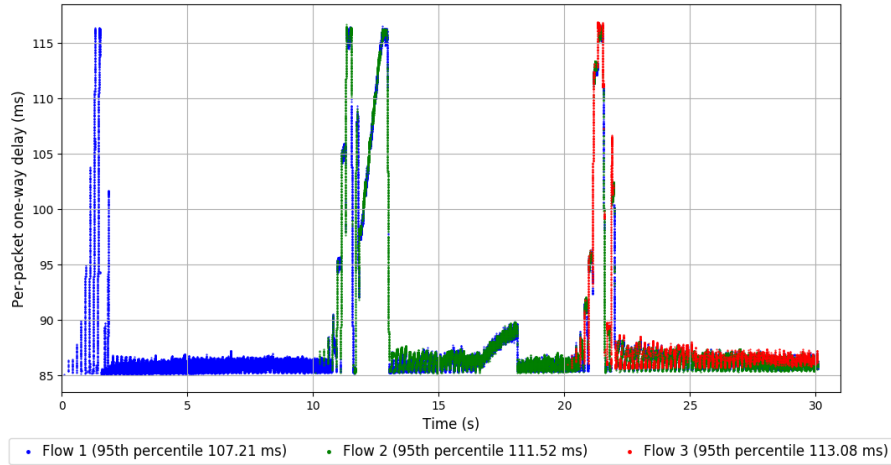
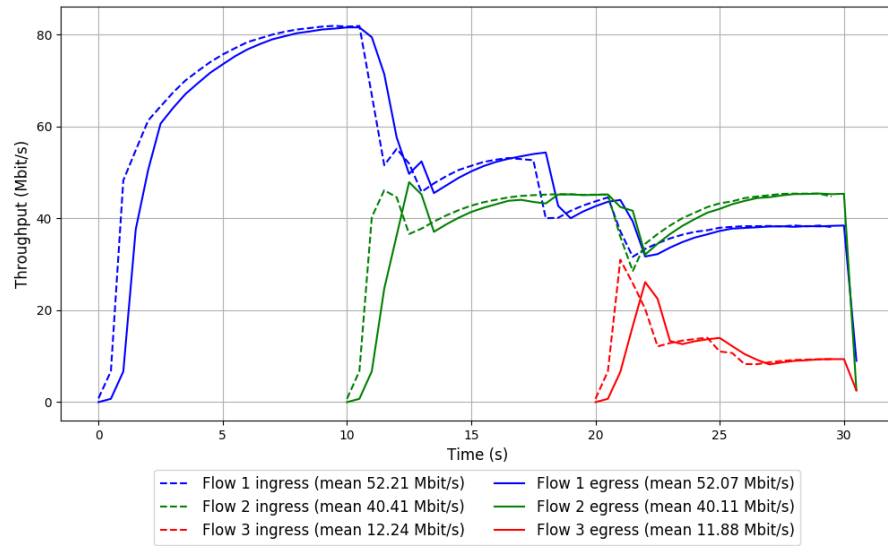


Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 15:37:09
End at: 2018-07-24 15:37:40
Local clock offset: -4.0 ms
Remote clock offset: 17.439 ms

Below is generated by plot.py at 2018-07-24 18:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 108.695 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 107.211 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 111.523 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 113.085 ms
Loss rate: 2.90%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 15:58:21

End at: 2018-07-24 15:58:51

Local clock offset: -7.928 ms

Remote clock offset: 8.08 ms

Below is generated by plot.py at 2018-07-24 18:01:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.17 Mbit/s

95th percentile per-packet one-way delay: 113.864 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 53.67 Mbit/s

95th percentile per-packet one-way delay: 111.964 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 39.33 Mbit/s

95th percentile per-packet one-way delay: 114.531 ms

Loss rate: 0.67%

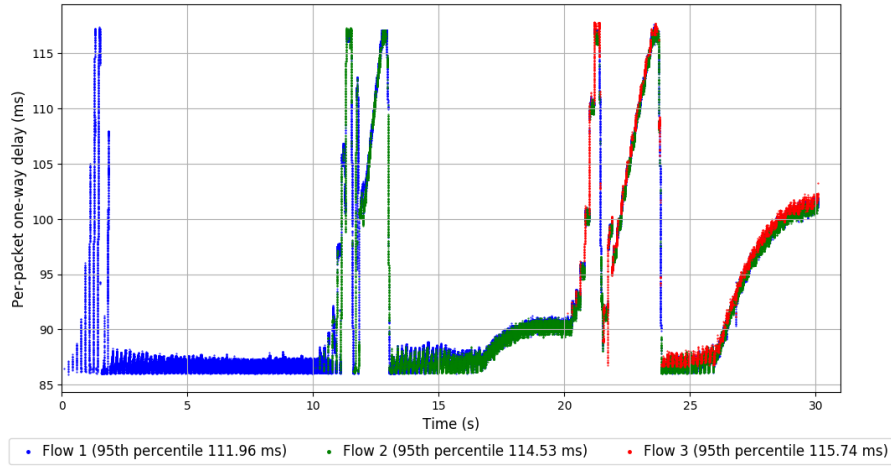
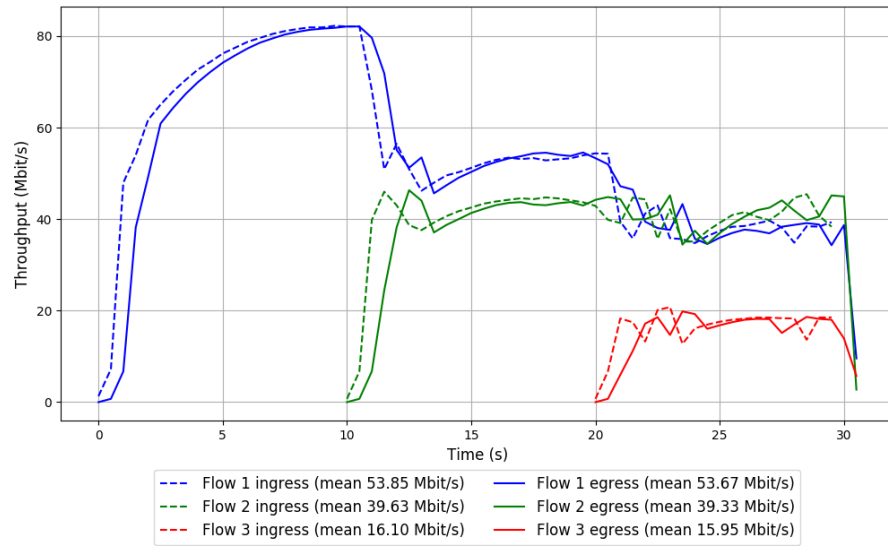
-- Flow 3:

Average throughput: 15.95 Mbit/s

95th percentile per-packet one-way delay: 115.741 ms

Loss rate: 0.82%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 16:19:36

End at: 2018-07-24 16:20:07

Local clock offset: -7.007 ms

Remote clock offset: 1.757 ms

Below is generated by plot.py at 2018-07-24 18:01:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.46 Mbit/s

95th percentile per-packet one-way delay: 98.304 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 30.25 Mbit/s

95th percentile per-packet one-way delay: 92.095 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 103.587 ms

Loss rate: 1.21%

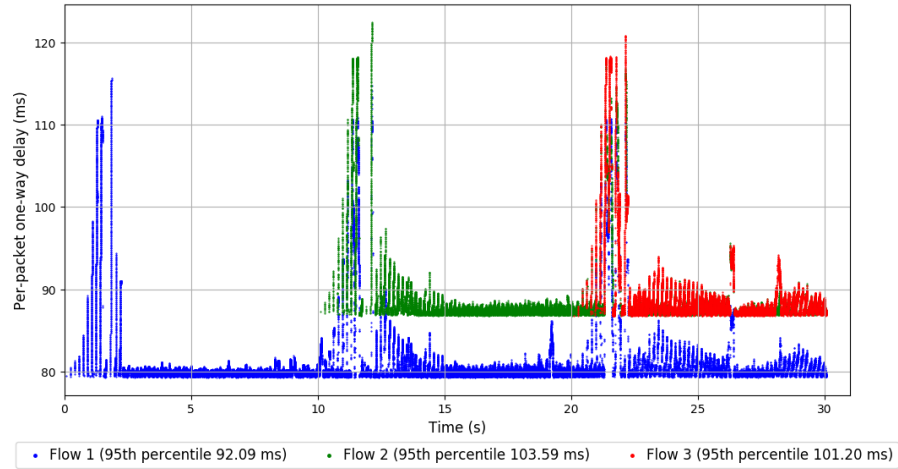
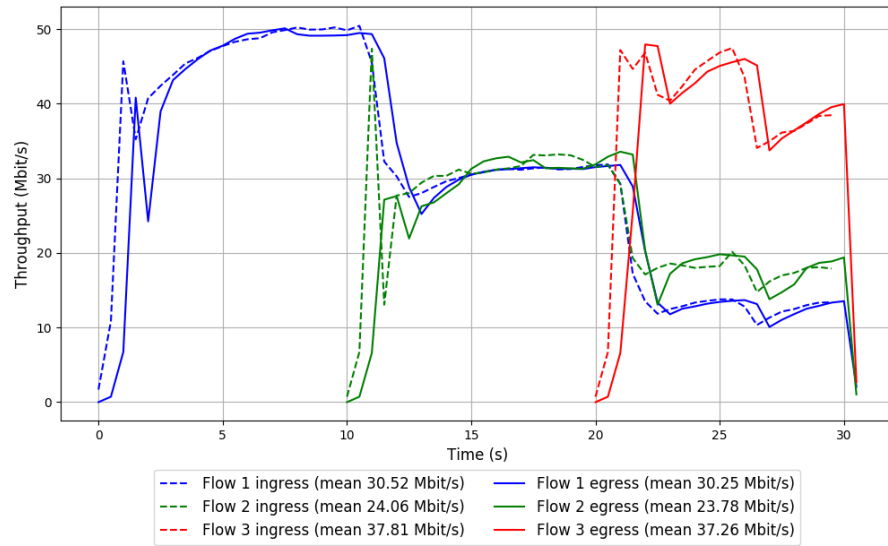
-- Flow 3:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 101.196 ms

Loss rate: 1.51%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 16:40:49

End at: 2018-07-24 16:41:19

Local clock offset: -4.341 ms

Remote clock offset: 4.967 ms

Below is generated by plot.py at 2018-07-24 18:01:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 112.448 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 111.112 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 49.26 Mbit/s

95th percentile per-packet one-way delay: 113.031 ms

Loss rate: 0.41%

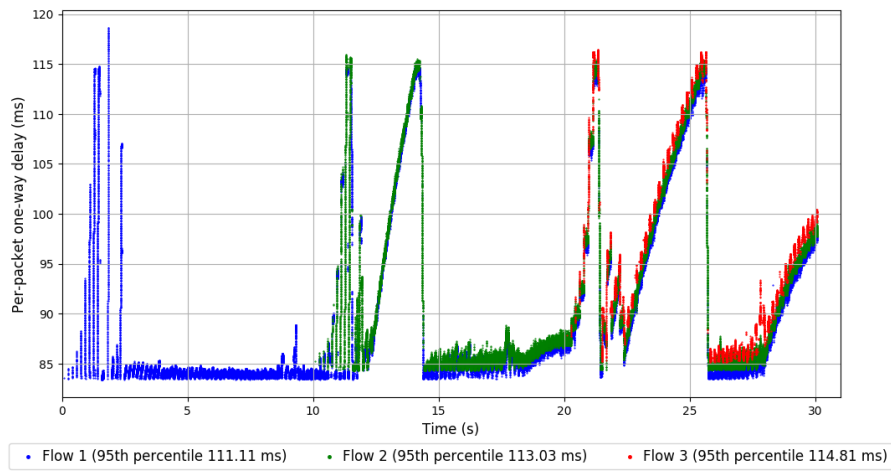
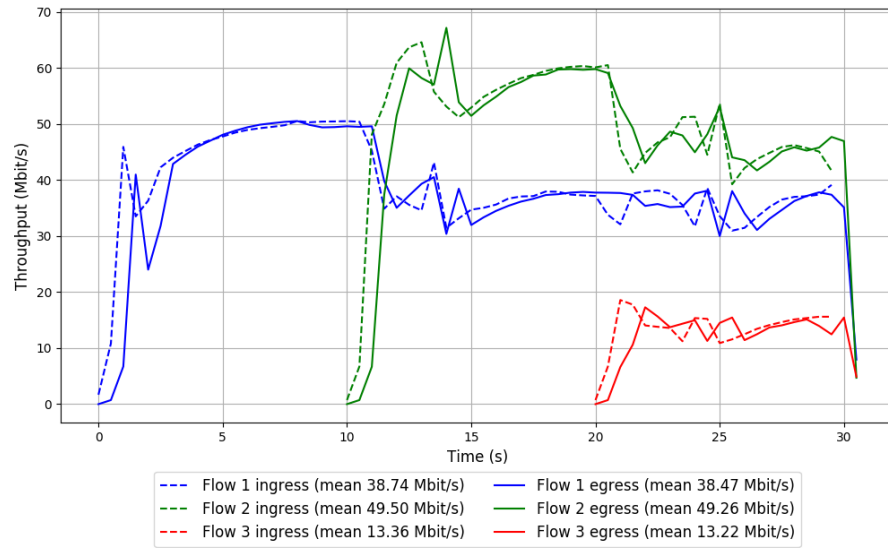
-- Flow 3:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 114.805 ms

Loss rate: 0.94%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 17:02:09

End at: 2018-07-24 17:02:39

Local clock offset: -2.729 ms

Remote clock offset: 7.863 ms

Below is generated by plot.py at 2018-07-24 18:01:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 112.391 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 110.660 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 37.29 Mbit/s

95th percentile per-packet one-way delay: 114.071 ms

Loss rate: 0.70%

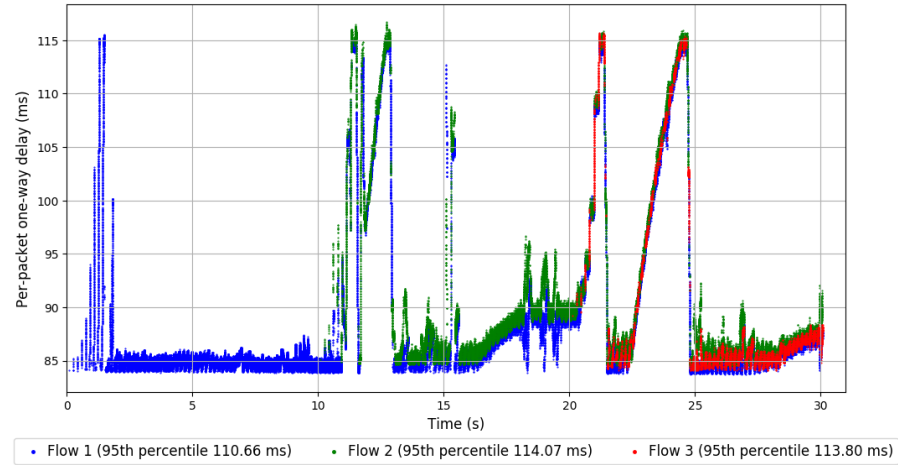
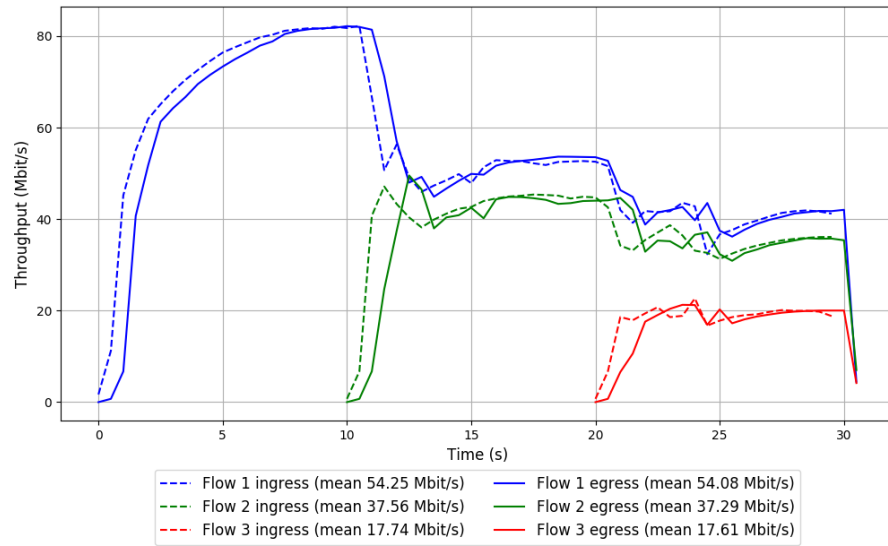
-- Flow 3:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 113.802 ms

Loss rate: 0.75%

Run 8: Report of TCP Cubic — Data Link

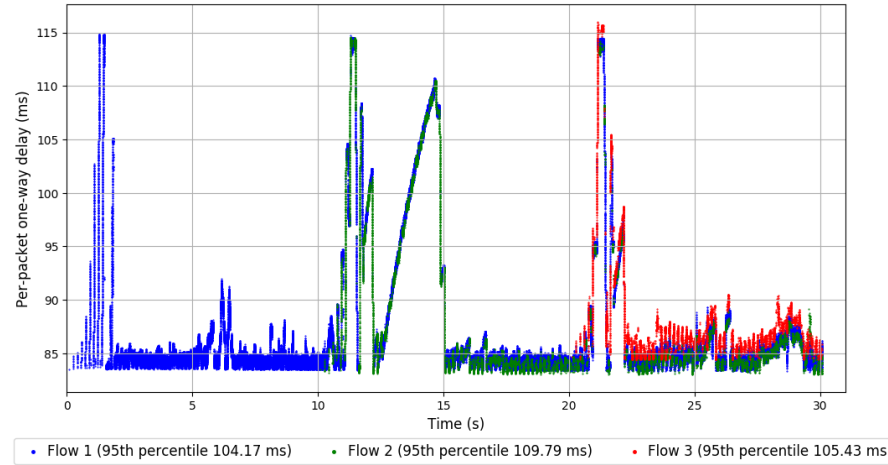
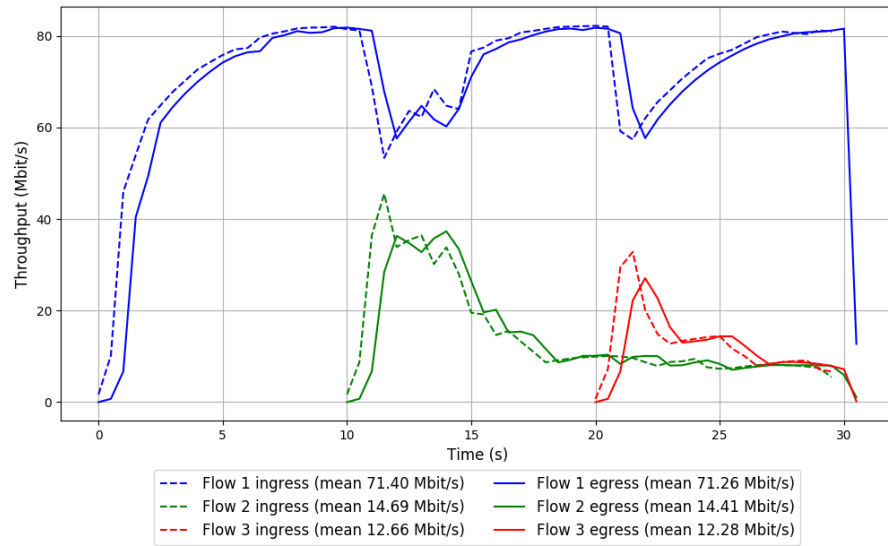


Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 17:23:18
End at: 2018-07-24 17:23:48
Local clock offset: -7.231 ms
Remote clock offset: 10.203 ms

Below is generated by plot.py at 2018-07-24 18:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 106.129 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 71.26 Mbit/s
95th percentile per-packet one-way delay: 104.171 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 109.789 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 105.430 ms
Loss rate: 2.97%

Run 9: Report of TCP Cubic — Data Link

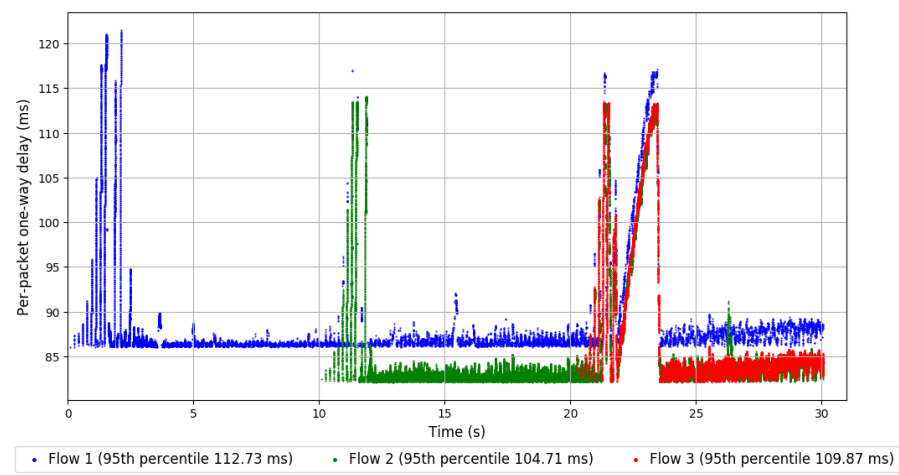
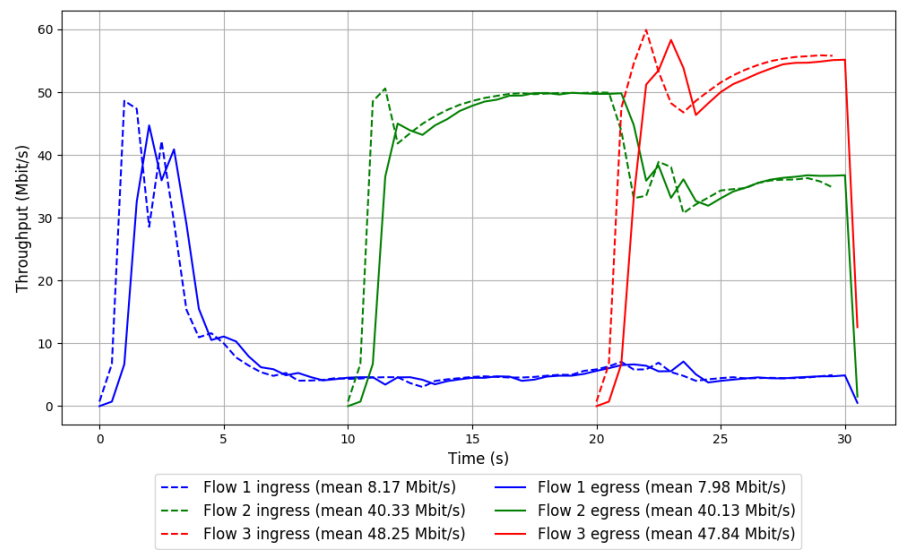


Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 17:44:28
End at: 2018-07-24 17:44:58
Local clock offset: -3.643 ms
Remote clock offset: 12.786 ms

Below is generated by plot.py at 2018-07-24 18:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 108.710 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 112.734 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 104.710 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 109.871 ms
Loss rate: 0.84%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-24 14:39:38

End at: 2018-07-24 14:40:08

Local clock offset: -4.639 ms

Remote clock offset: 3.684 ms

Below is generated by plot.py at 2018-07-24 18:02:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.30 Mbit/s

95th percentile per-packet one-way delay: 113.778 ms

Loss rate: 19.44%

-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 109.840 ms

Loss rate: 17.62%

-- Flow 2:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 21.16%

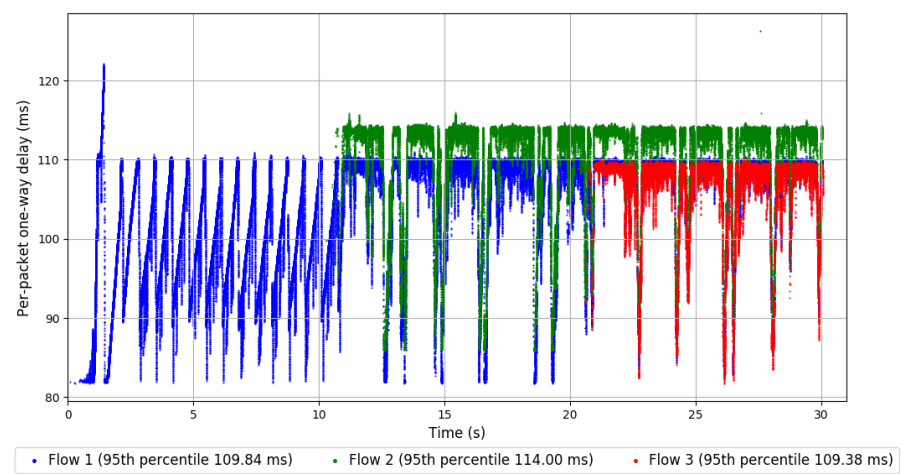
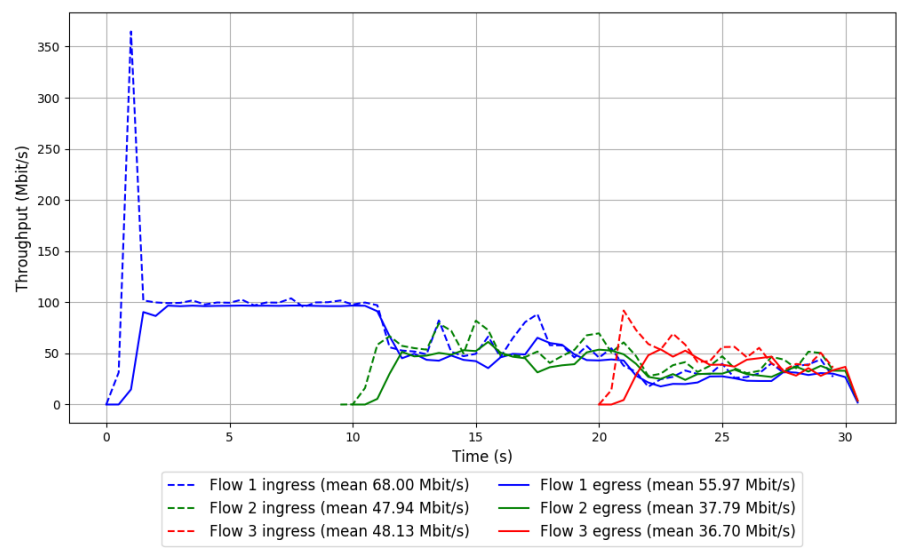
-- Flow 3:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 109.378 ms

Loss rate: 23.73%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-24 15:00:51

End at: 2018-07-24 15:01:21

Local clock offset: -6.946 ms

Remote clock offset: 8.969 ms

Below is generated by plot.py at 2018-07-24 18:02:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 115.194 ms

Loss rate: 19.61%

-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 115.221 ms

Loss rate: 16.36%

-- Flow 2:

Average throughput: 43.19 Mbit/s

95th percentile per-packet one-way delay: 113.439 ms

Loss rate: 20.65%

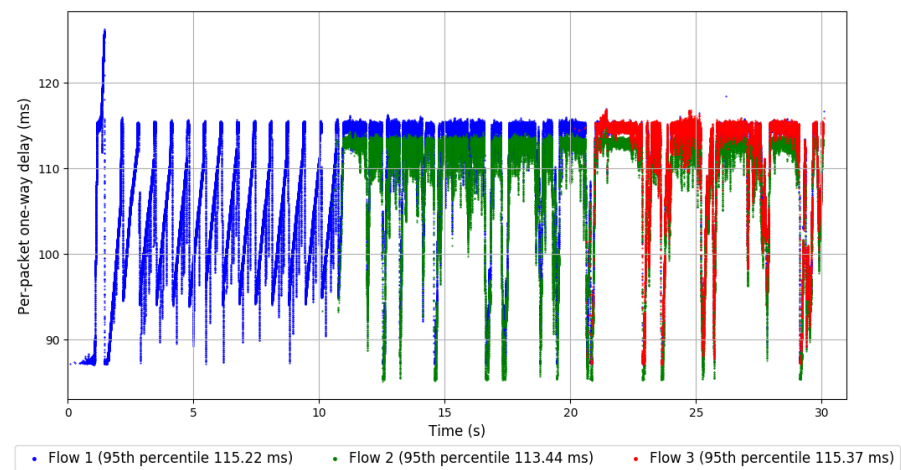
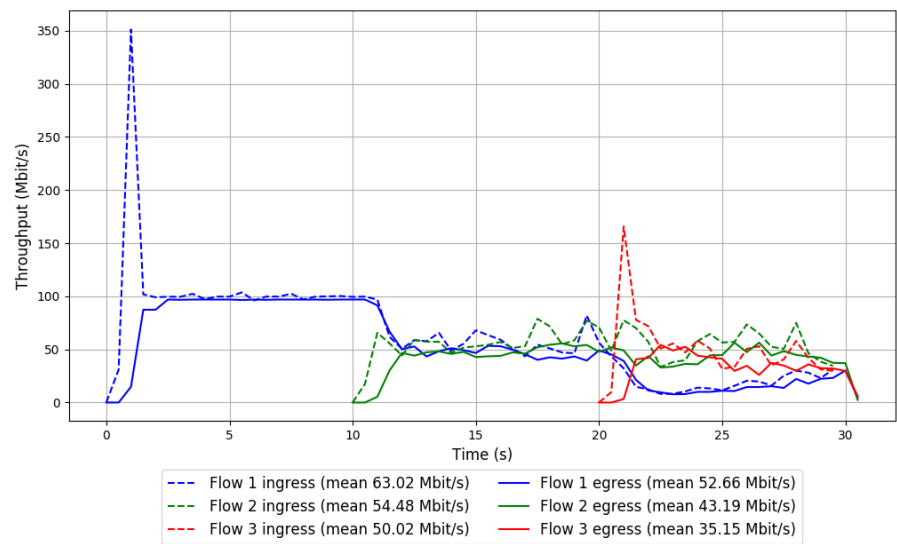
-- Flow 3:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 115.367 ms

Loss rate: 29.73%

Run 2: Report of FillP — Data Link

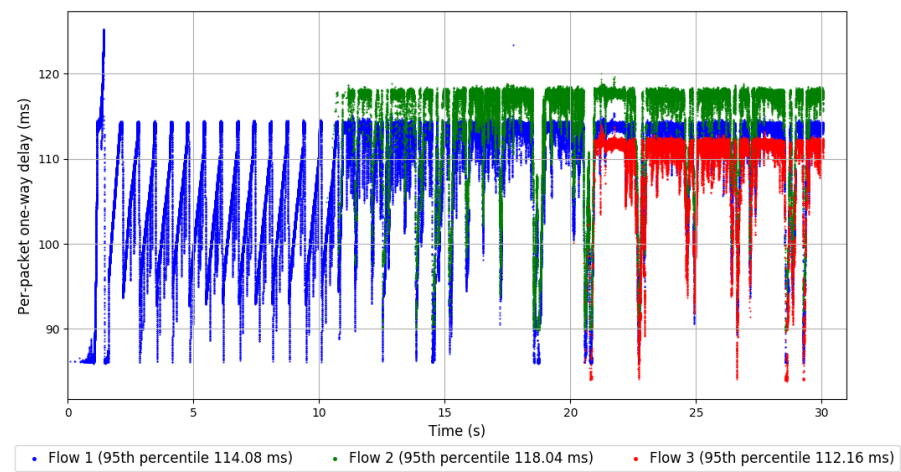
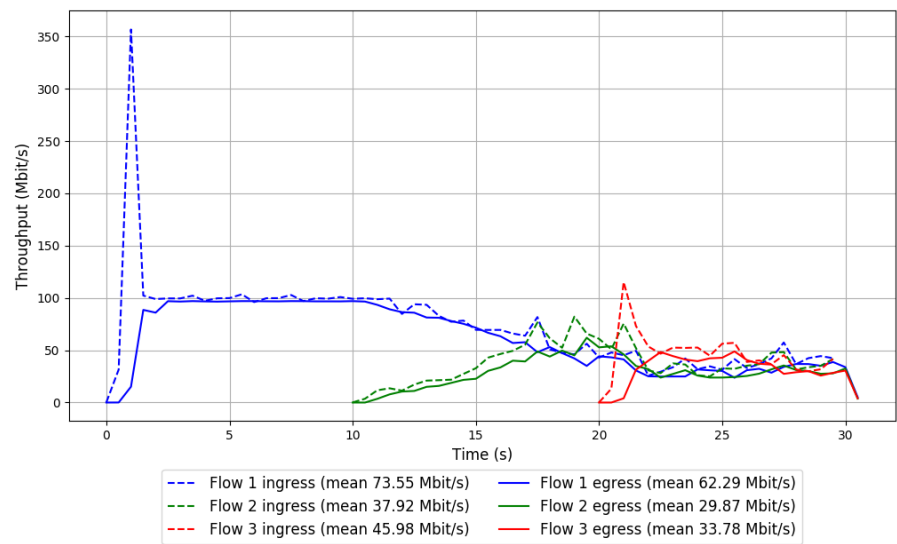


Run 3: Statistics of FillP

Start at: 2018-07-24 15:22:05
End at: 2018-07-24 15:22:35
Local clock offset: -1.635 ms
Remote clock offset: 17.767 ms

Below is generated by plot.py at 2018-07-24 18:02:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 117.754 ms
Loss rate: 18.04%
-- Flow 1:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 114.085 ms
Loss rate: 15.22%
-- Flow 2:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 118.042 ms
Loss rate: 21.16%
-- Flow 3:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 112.155 ms
Loss rate: 26.44%

Run 3: Report of FillP — Data Link

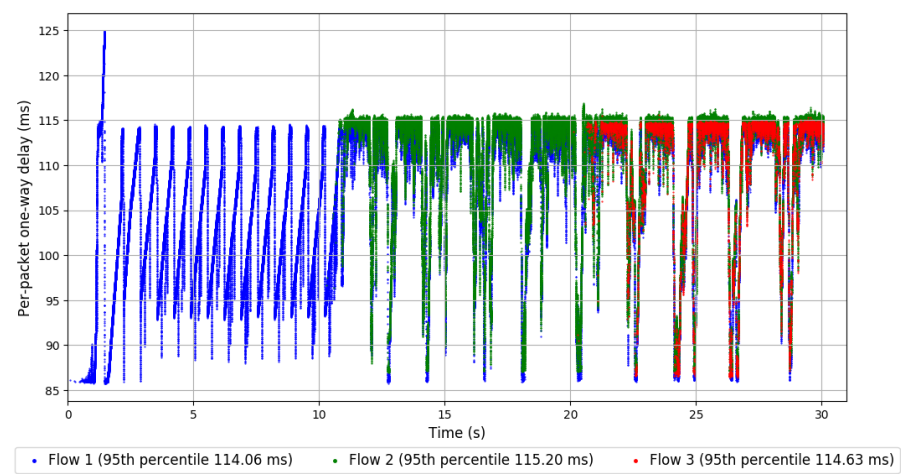
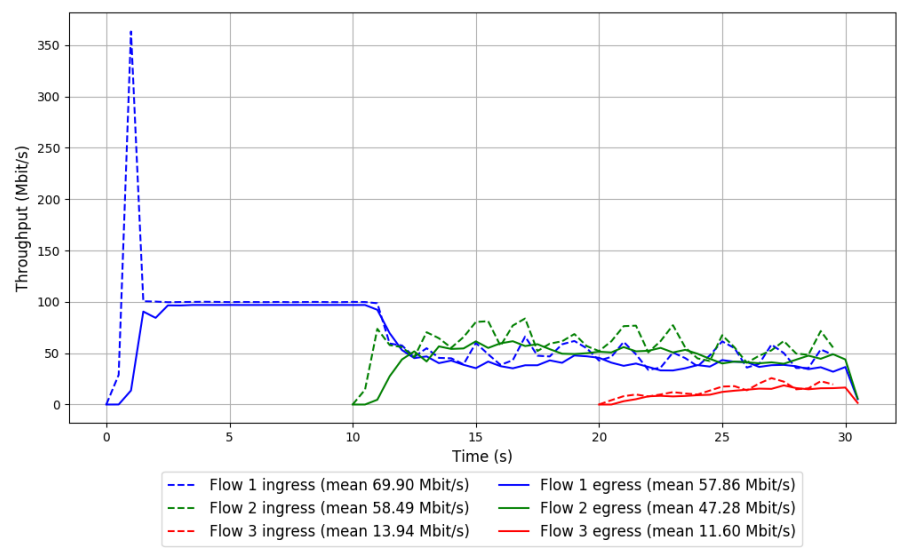


Run 4: Statistics of FillP

Start at: 2018-07-24 15:43:16
End at: 2018-07-24 15:43:46
Local clock offset: -5.917 ms
Remote clock offset: 12.725 ms

Below is generated by plot.py at 2018-07-24 18:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 115.051 ms
Loss rate: 17.83%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 114.062 ms
Loss rate: 17.15%
-- Flow 2:
Average throughput: 47.28 Mbit/s
95th percentile per-packet one-way delay: 115.203 ms
Loss rate: 19.18%
-- Flow 3:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 114.629 ms
Loss rate: 16.82%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-24 16:04:29

End at: 2018-07-24 16:04:59

Local clock offset: -7.752 ms

Remote clock offset: 7.424 ms

Below is generated by plot.py at 2018-07-24 18:02:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.07 Mbit/s

95th percentile per-packet one-way delay: 119.542 ms

Loss rate: 19.37%

-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 115.174 ms

Loss rate: 17.31%

-- Flow 2:

Average throughput: 41.39 Mbit/s

95th percentile per-packet one-way delay: 114.146 ms

Loss rate: 22.33%

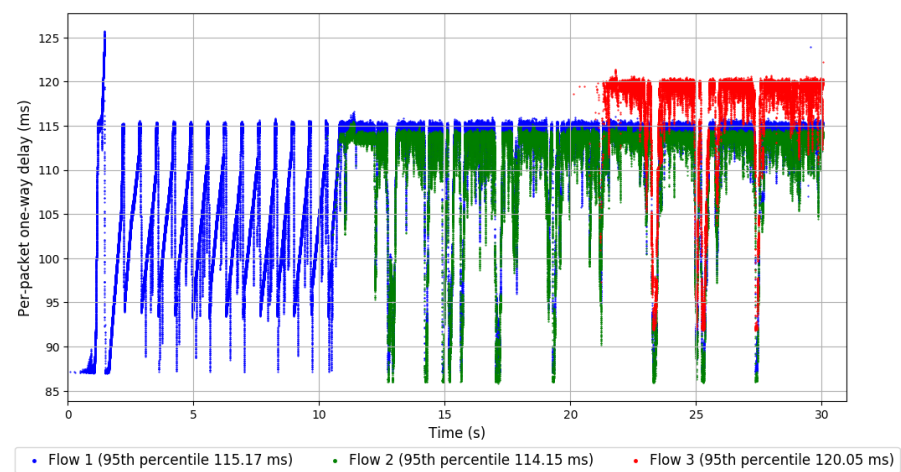
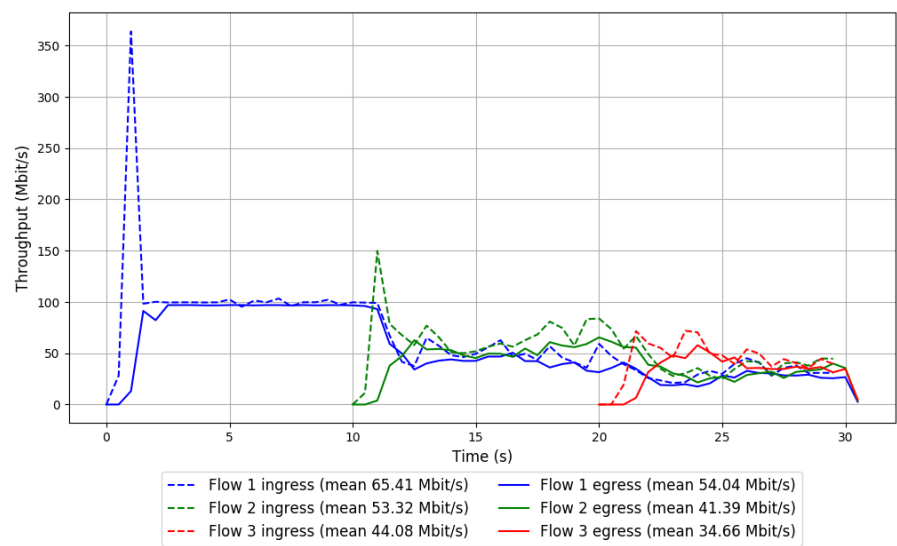
-- Flow 3:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 120.048 ms

Loss rate: 21.38%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-24 16:25:42

End at: 2018-07-24 16:26:12

Local clock offset: -7.04 ms

Remote clock offset: 1.415 ms

Below is generated by plot.py at 2018-07-24 18:03:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 113.002 ms

Loss rate: 18.98%

-- Flow 1:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 109.032 ms

Loss rate: 17.52%

-- Flow 2:

Average throughput: 37.92 Mbit/s

95th percentile per-packet one-way delay: 113.081 ms

Loss rate: 20.61%

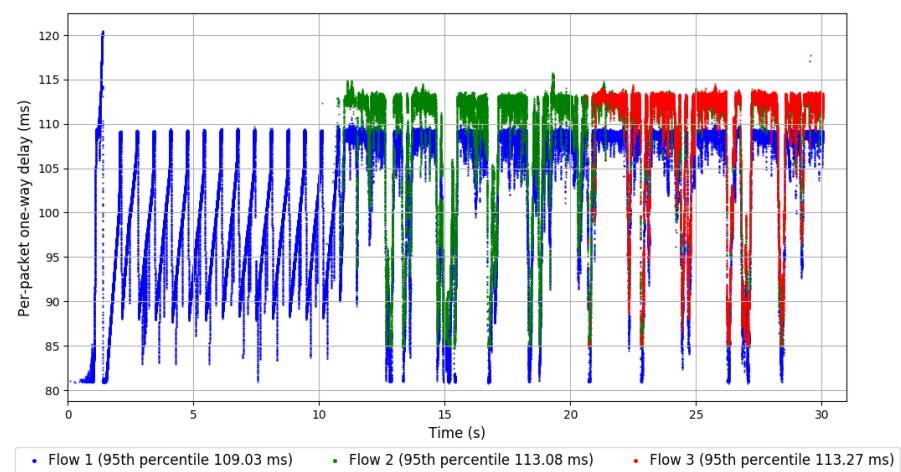
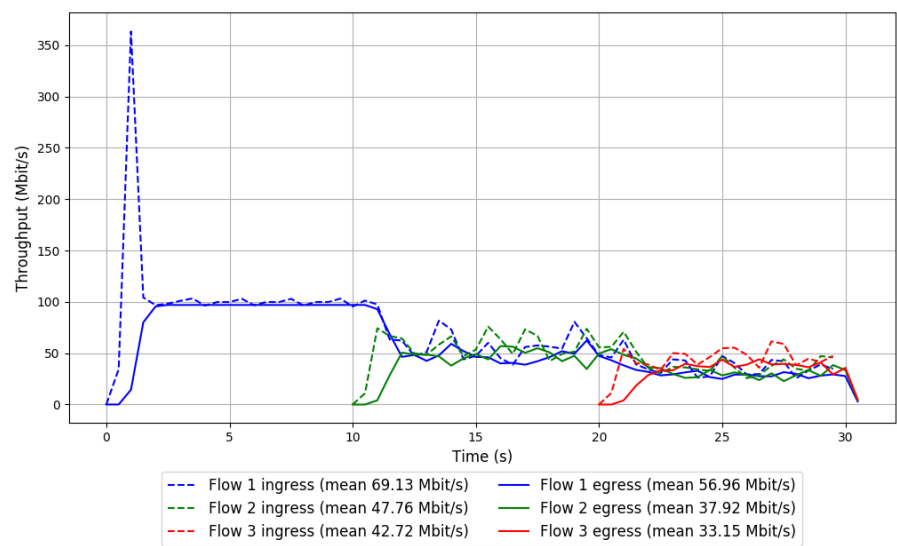
-- Flow 3:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 113.272 ms

Loss rate: 22.43%

Run 6: Report of FillP — Data Link

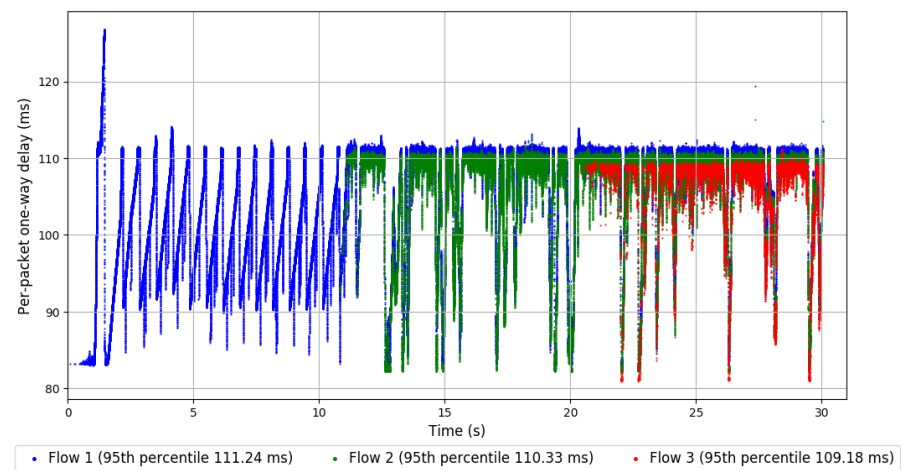
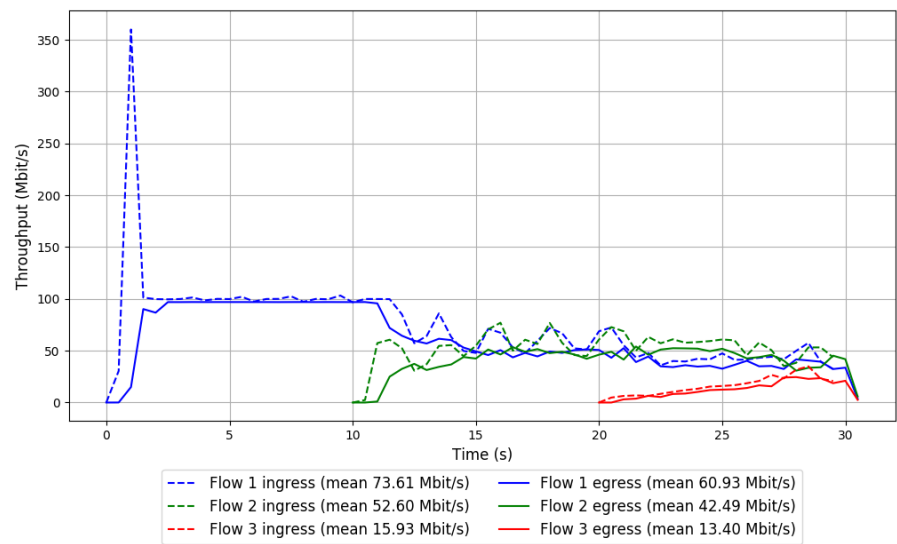


Run 7: Statistics of FillP

Start at: 2018-07-24 16:46:55
End at: 2018-07-24 16:47:25
Local clock offset: -3.561 ms
Remote clock offset: 2.546 ms

Below is generated by plot.py at 2018-07-24 18:03:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 111.159 ms
Loss rate: 17.95%
-- Flow 1:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 111.242 ms
Loss rate: 17.16%
-- Flow 2:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 110.329 ms
Loss rate: 19.95%
-- Flow 3:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 109.184 ms
Loss rate: 15.69%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-24 17:08:15

End at: 2018-07-24 17:08:45

Local clock offset: -5.065 ms

Remote clock offset: 2.964 ms

Below is generated by plot.py at 2018-07-24 18:03:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 109.270 ms

Loss rate: 15.49%

-- Flow 1:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 107.106 ms

Loss rate: 14.08%

-- Flow 2:

Average throughput: 29.06 Mbit/s

95th percentile per-packet one-way delay: 109.471 ms

Loss rate: 16.40%

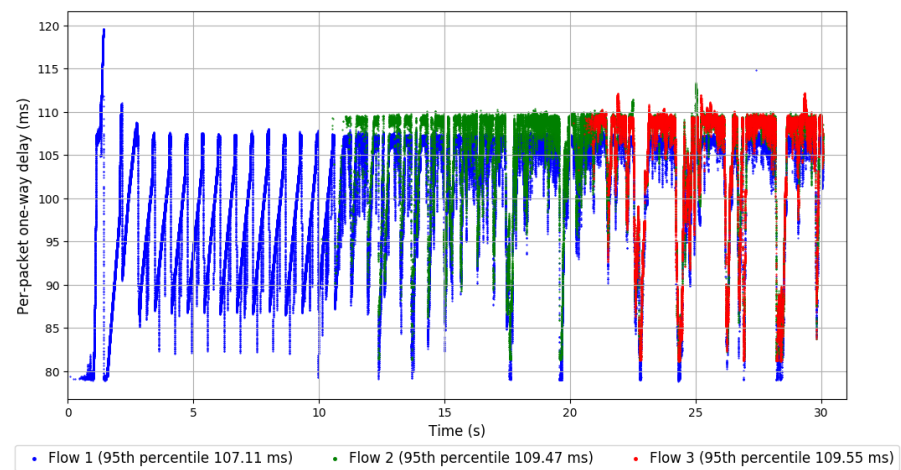
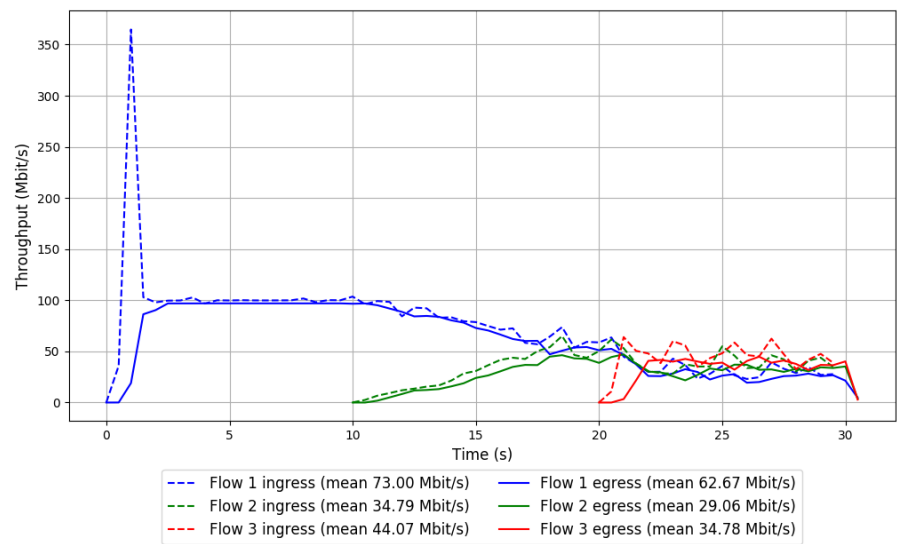
-- Flow 3:

Average throughput: 34.78 Mbit/s

95th percentile per-packet one-way delay: 109.554 ms

Loss rate: 21.07%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-24 17:29:25

End at: 2018-07-24 17:29:55

Local clock offset: -7.656 ms

Remote clock offset: 8.865 ms

Below is generated by plot.py at 2018-07-24 18:03:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 114.835 ms

Loss rate: 19.90%

-- Flow 1:

Average throughput: 57.00 Mbit/s

95th percentile per-packet one-way delay: 114.936 ms

Loss rate: 17.16%

-- Flow 2:

Average throughput: 36.36 Mbit/s

95th percentile per-packet one-way delay: 109.276 ms

Loss rate: 20.60%

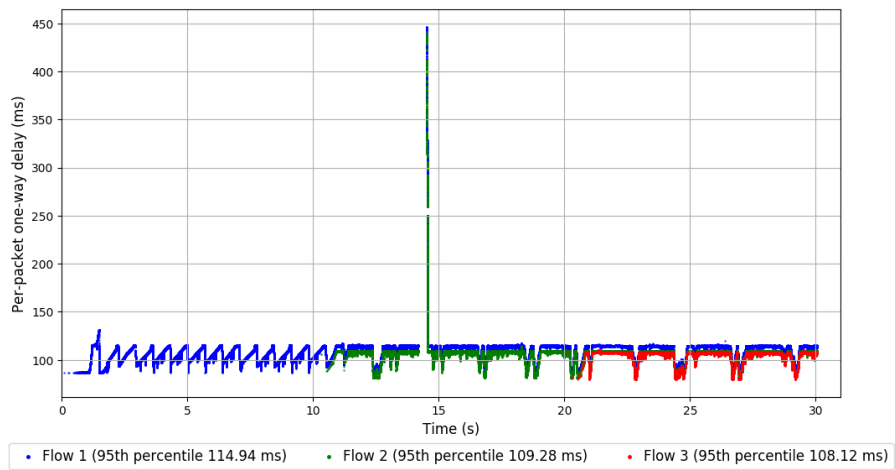
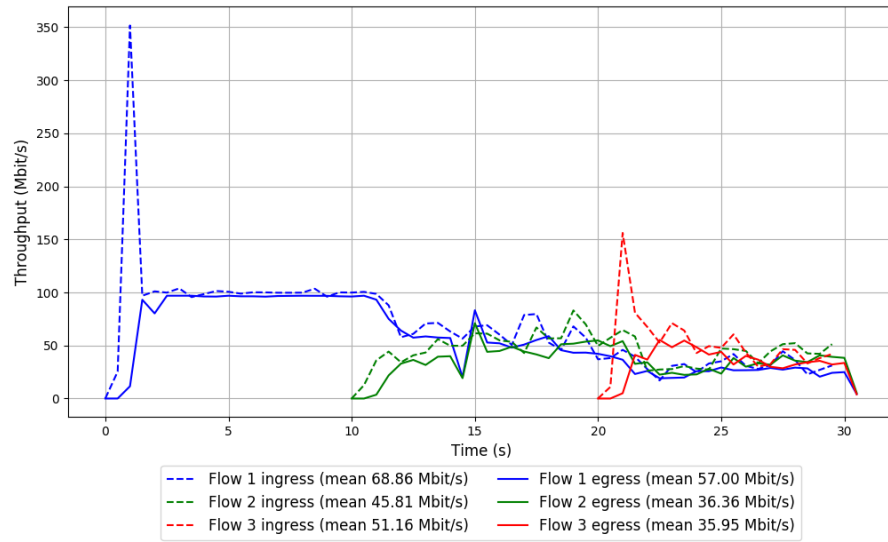
-- Flow 3:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 108.121 ms

Loss rate: 29.73%

Run 9: Report of FillP — Data Link

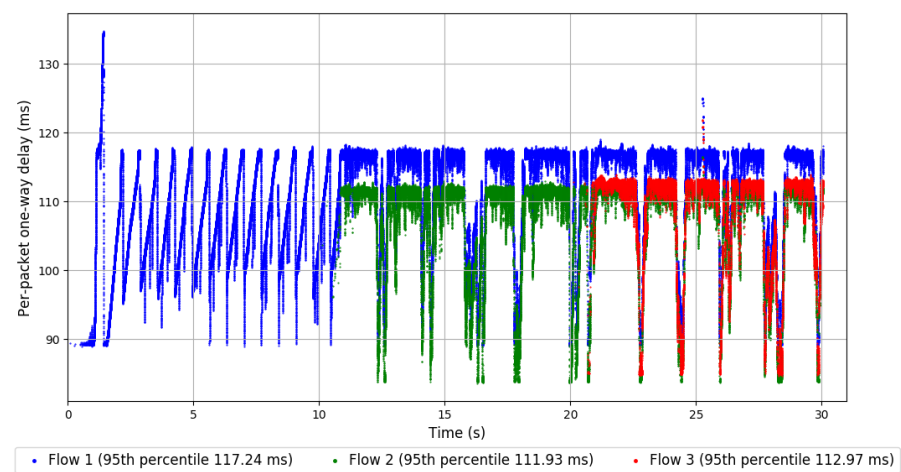
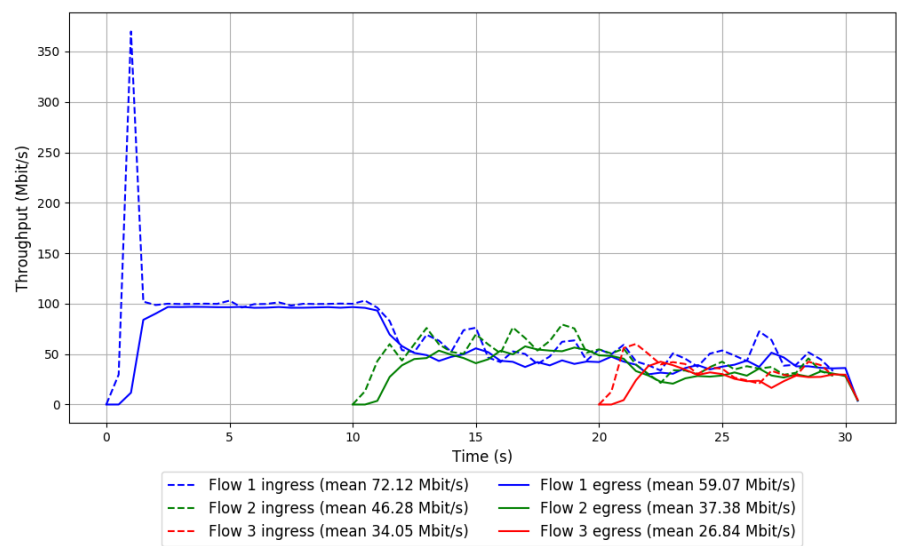


Run 10: Statistics of FillP

Start at: 2018-07-24 17:50:33
End at: 2018-07-24 17:51:03
Local clock offset: -2.894 ms
Remote clock offset: 16.309 ms

Below is generated by plot.py at 2018-07-24 18:04:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 117.131 ms
Loss rate: 18.66%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 117.244 ms
Loss rate: 18.03%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 111.933 ms
Loss rate: 19.21%
-- Flow 3:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 112.969 ms
Loss rate: 21.18%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 14:26:01

End at: 2018-07-24 14:26:31

Local clock offset: -1.958 ms

Remote clock offset: 1.377 ms

Below is generated by plot.py at 2018-07-24 18:04:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.01 Mbit/s

95th percentile per-packet one-way delay: 113.013 ms

Loss rate: 20.12%

-- Flow 1:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 113.082 ms

Loss rate: 15.99%

-- Flow 2:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 107.518 ms

Loss rate: 26.44%

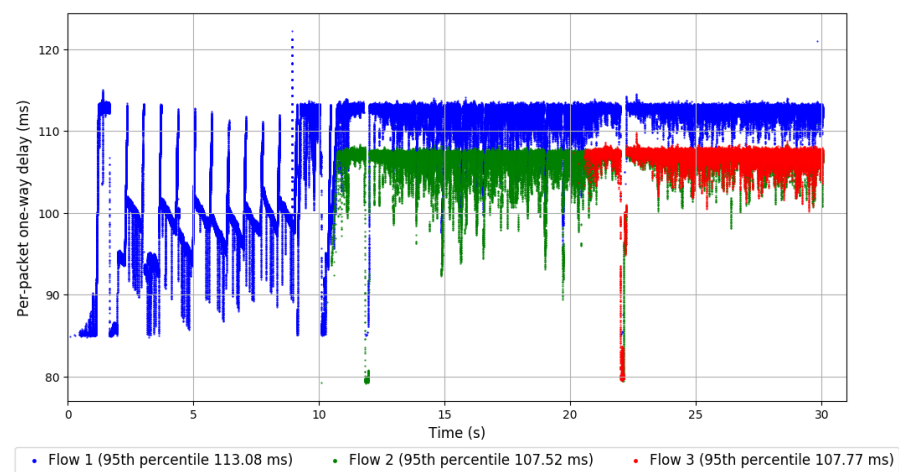
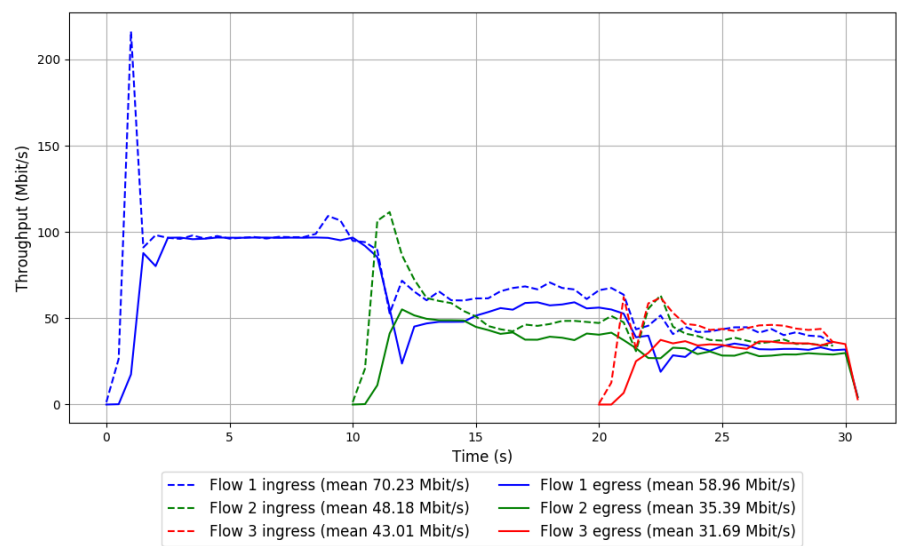
-- Flow 3:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 107.767 ms

Loss rate: 26.31%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 14:47:13

End at: 2018-07-24 14:47:43

Local clock offset: -5.933 ms

Remote clock offset: 2.84 ms

Below is generated by plot.py at 2018-07-24 18:04:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 108.735 ms

Loss rate: 17.84%

-- Flow 1:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 107.570 ms

Loss rate: 13.80%

-- Flow 2:

Average throughput: 43.54 Mbit/s

95th percentile per-packet one-way delay: 108.937 ms

Loss rate: 22.71%

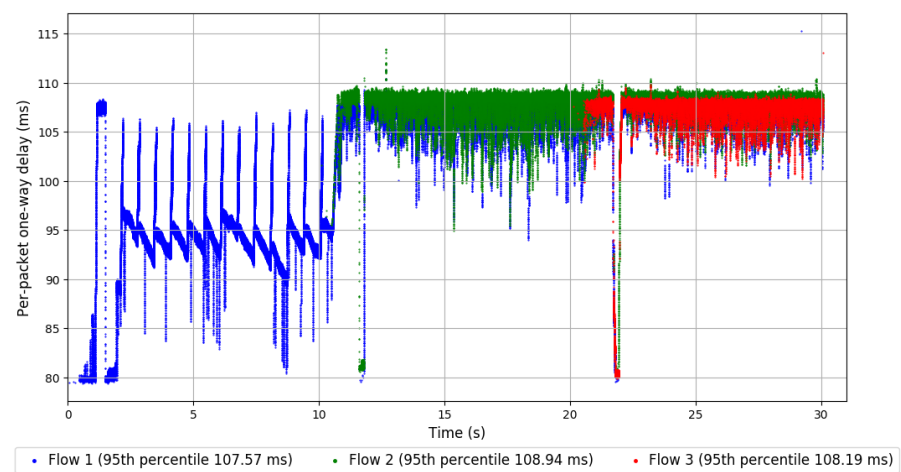
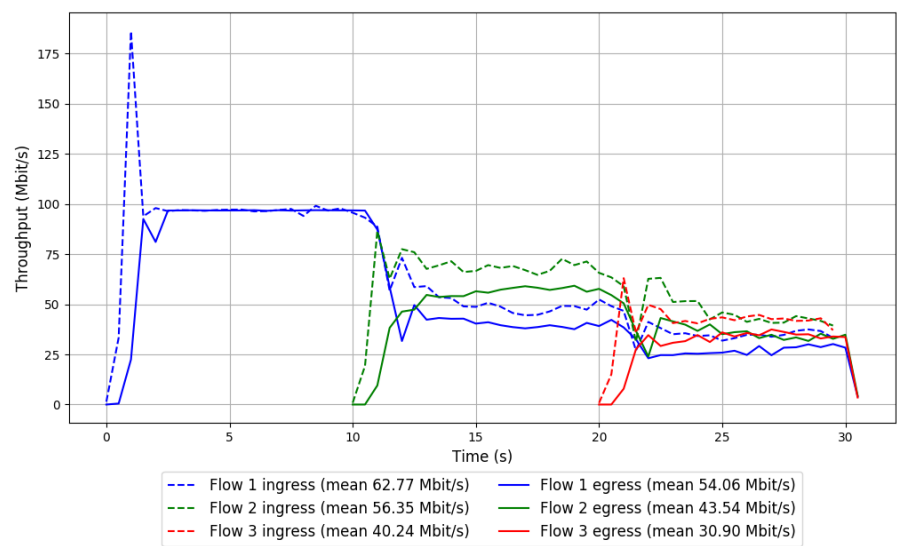
-- Flow 3:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 108.194 ms

Loss rate: 23.17%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 15:08:28

End at: 2018-07-24 15:08:58

Local clock offset: -4.097 ms

Remote clock offset: 9.101 ms

Below is generated by plot.py at 2018-07-24 18:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 110.080 ms

Loss rate: 19.76%

-- Flow 1:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 110.212 ms

Loss rate: 14.59%

-- Flow 2:

Average throughput: 47.06 Mbit/s

95th percentile per-packet one-way delay: 108.451 ms

Loss rate: 25.41%

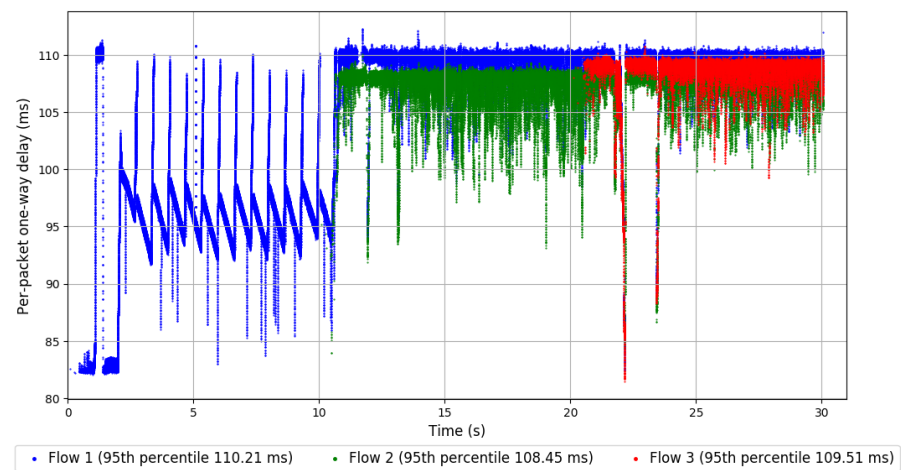
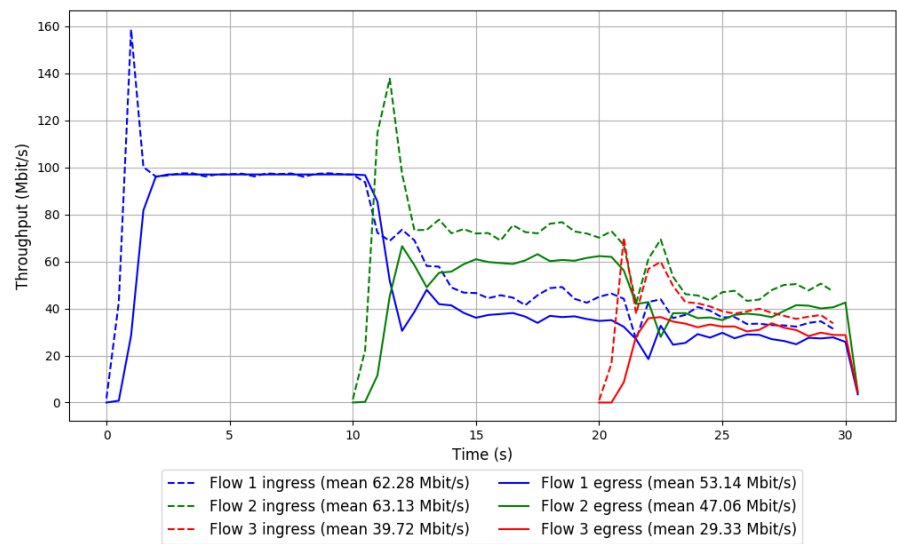
-- Flow 3:

Average throughput: 29.33 Mbit/s

95th percentile per-packet one-way delay: 109.514 ms

Loss rate: 26.16%

Run 3: Report of FillP-Sheep — Data Link

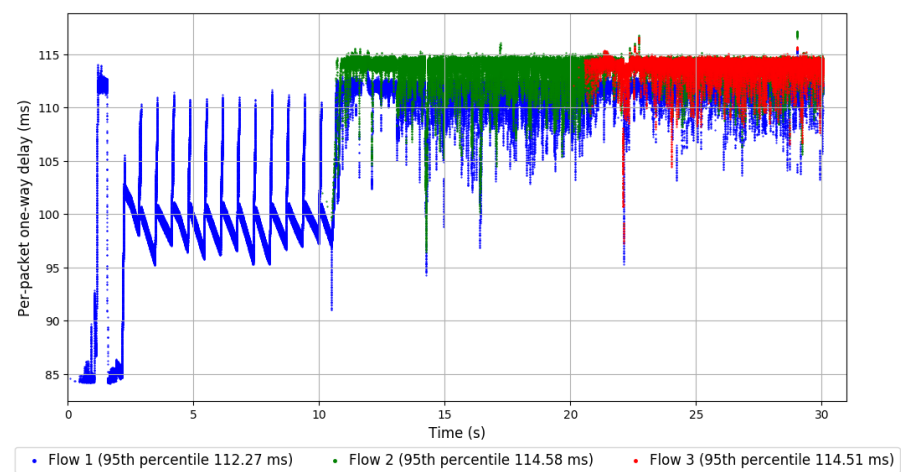
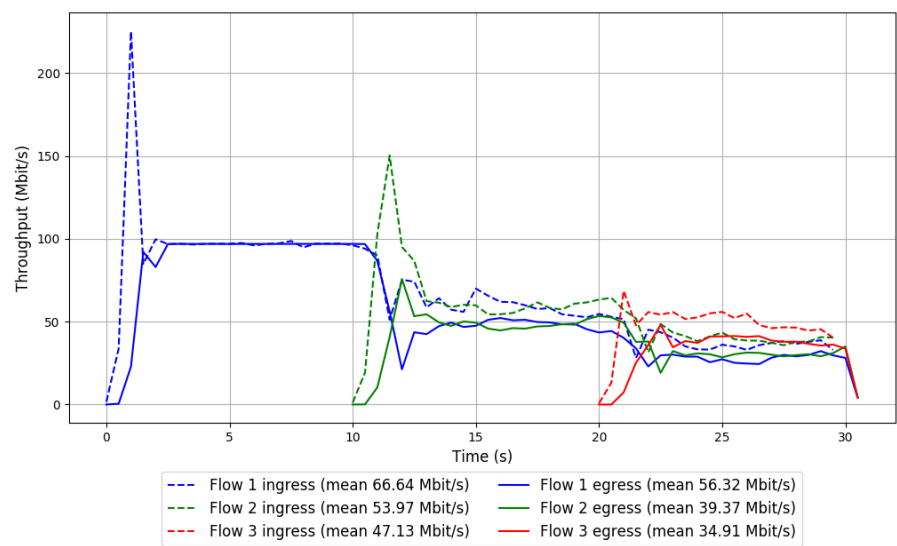


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 15:29:39
End at: 2018-07-24 15:30:09
Local clock offset: -1.132 ms
Remote clock offset: 19.302 ms

Below is generated by plot.py at 2018-07-24 18:04:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 114.447 ms
Loss rate: 20.32%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 112.265 ms
Loss rate: 15.41%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 114.579 ms
Loss rate: 27.01%
-- Flow 3:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 114.510 ms
Loss rate: 25.93%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 15:50:49

End at: 2018-07-24 15:51:19

Local clock offset: -7.132 ms

Remote clock offset: 4.589 ms

Below is generated by plot.py at 2018-07-24 18:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 110.024 ms

Loss rate: 21.21%

-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 110.118 ms

Loss rate: 16.32%

-- Flow 2:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 108.173 ms

Loss rate: 26.30%

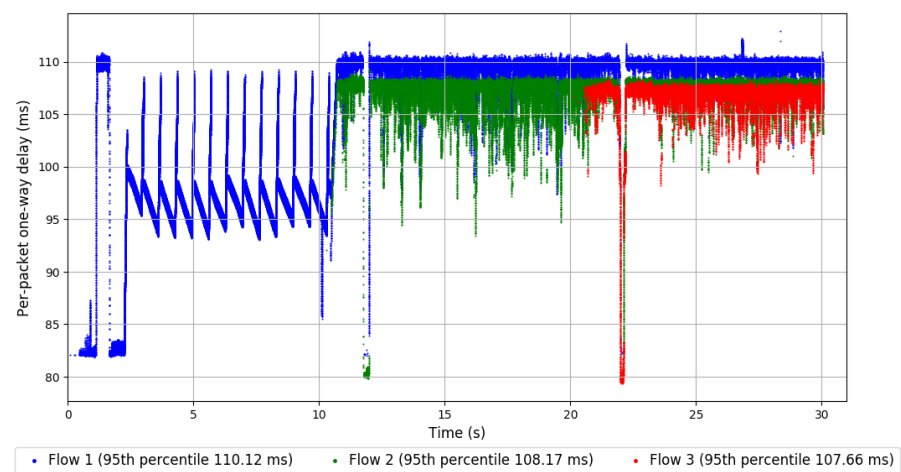
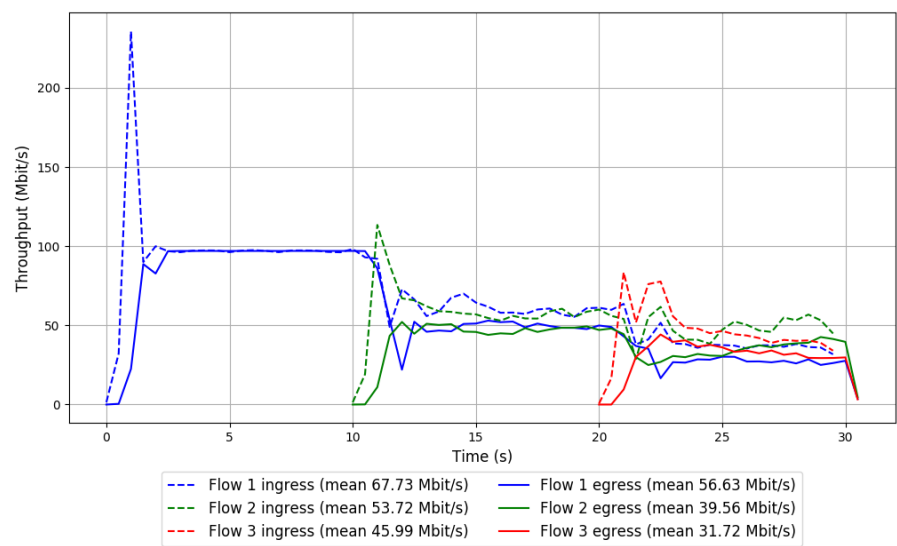
-- Flow 3:

Average throughput: 31.72 Mbit/s

95th percentile per-packet one-way delay: 107.659 ms

Loss rate: 31.03%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 16:12:03

End at: 2018-07-24 16:12:33

Local clock offset: -7.149 ms

Remote clock offset: 8.13 ms

Below is generated by plot.py at 2018-07-24 18:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 114.985 ms

Loss rate: 17.74%

-- Flow 1:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 113.527 ms

Loss rate: 13.19%

-- Flow 2:

Average throughput: 38.77 Mbit/s

95th percentile per-packet one-way delay: 115.205 ms

Loss rate: 22.71%

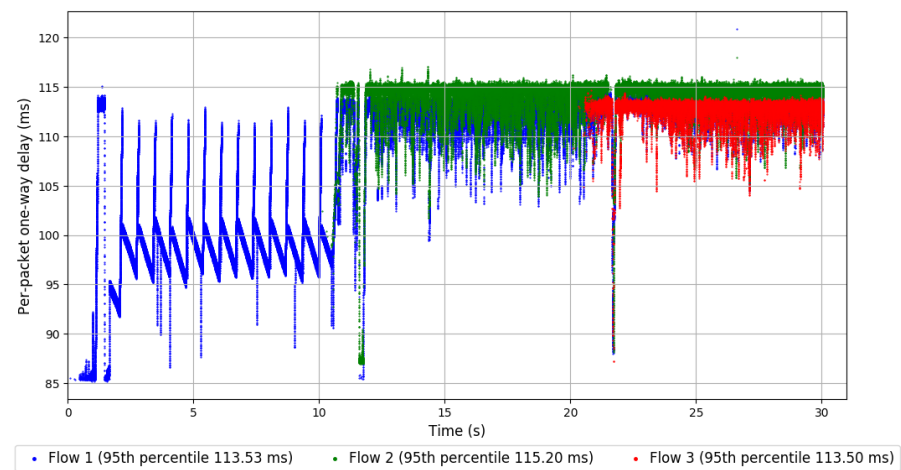
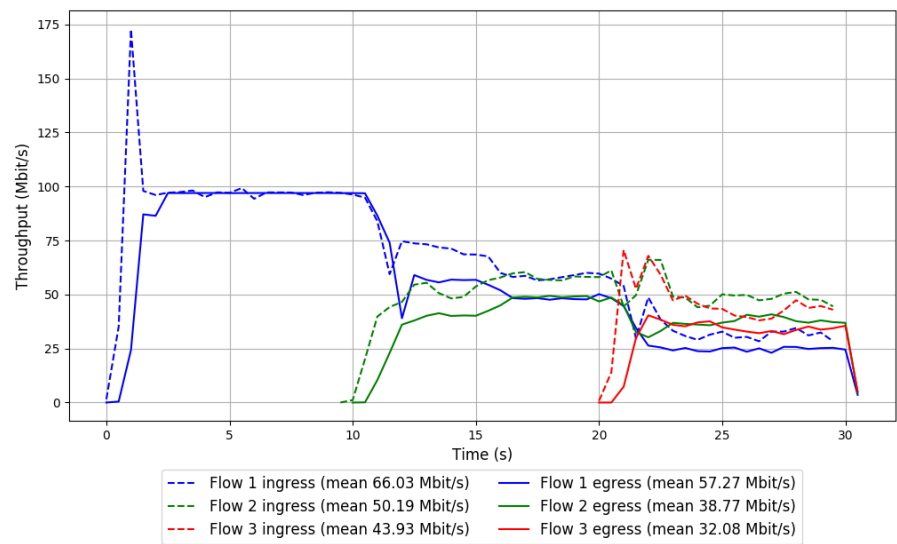
-- Flow 3:

Average throughput: 32.08 Mbit/s

95th percentile per-packet one-way delay: 113.495 ms

Loss rate: 26.93%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 16:33:16

End at: 2018-07-24 16:33:46

Local clock offset: -6.468 ms

Remote clock offset: 2.376 ms

Below is generated by plot.py at 2018-07-24 18:05:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 111.047 ms

Loss rate: 21.16%

-- Flow 1:

Average throughput: 55.09 Mbit/s

95th percentile per-packet one-way delay: 111.142 ms

Loss rate: 15.36%

-- Flow 2:

Average throughput: 45.38 Mbit/s

95th percentile per-packet one-way delay: 108.885 ms

Loss rate: 28.31%

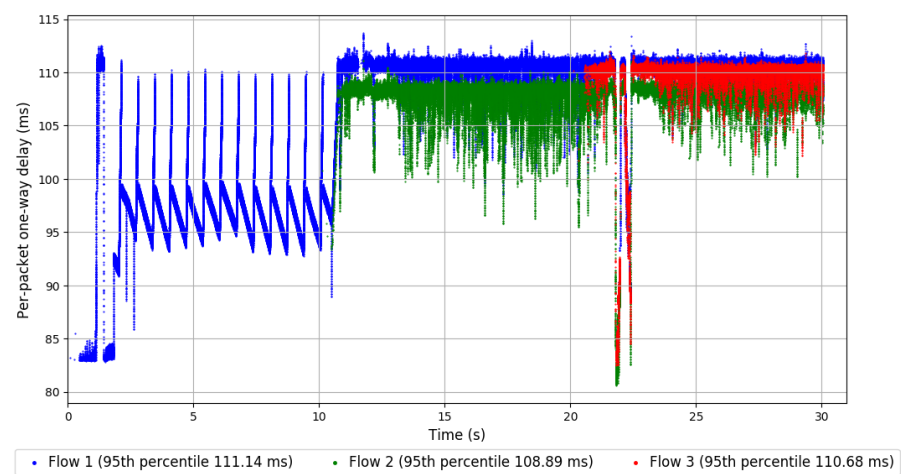
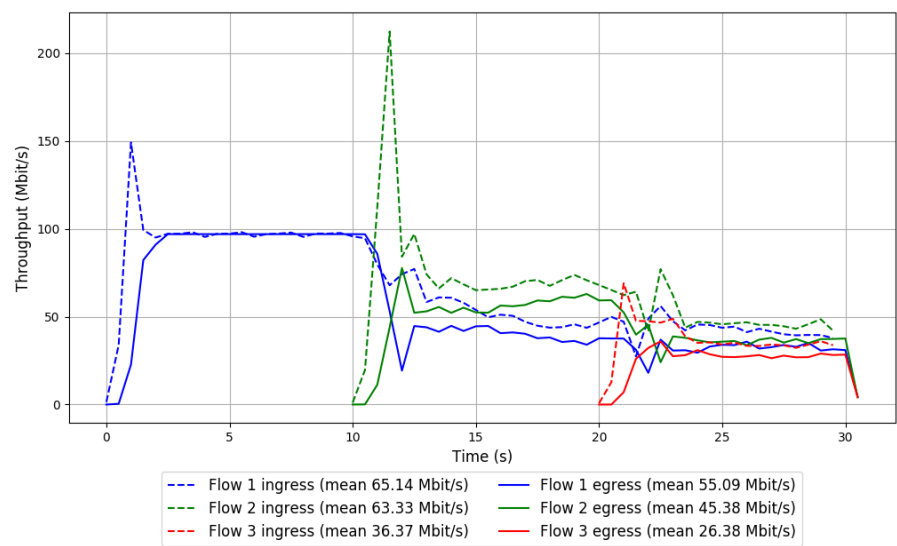
-- Flow 3:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 110.680 ms

Loss rate: 27.46%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 16:54:38

End at: 2018-07-24 16:55:08

Local clock offset: -2.916 ms

Remote clock offset: 6.442 ms

Below is generated by plot.py at 2018-07-24 18:05:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 113.550 ms

Loss rate: 18.78%

-- Flow 1:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 111.551 ms

Loss rate: 14.04%

-- Flow 2:

Average throughput: 39.50 Mbit/s

95th percentile per-packet one-way delay: 113.746 ms

Loss rate: 24.58%

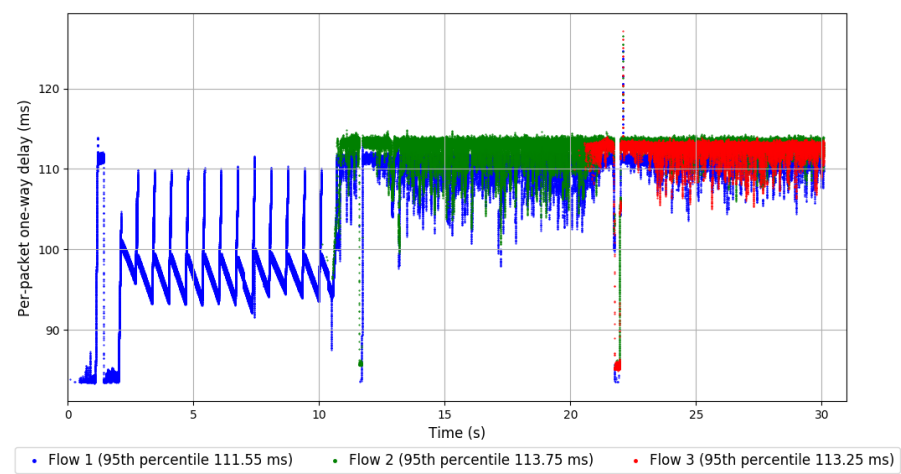
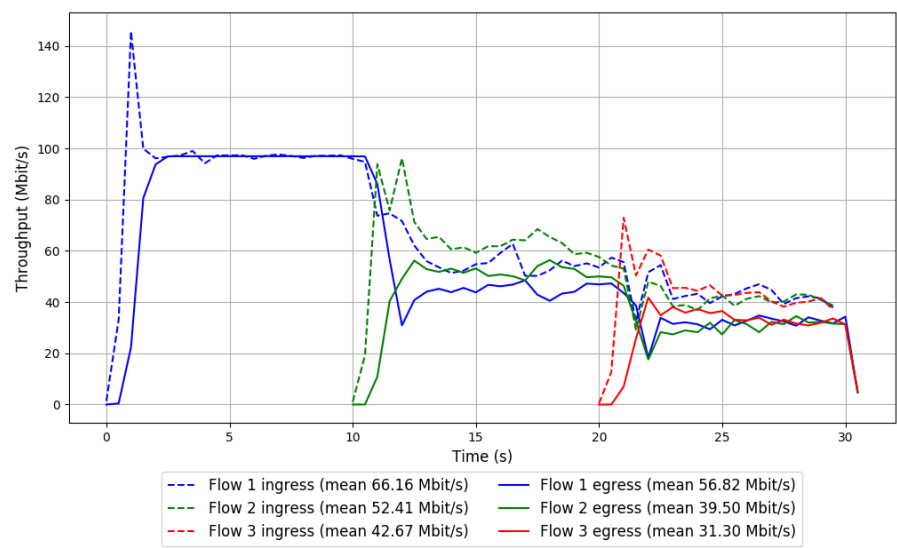
-- Flow 3:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 113.246 ms

Loss rate: 26.63%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 17:15:49

End at: 2018-07-24 17:16:19

Local clock offset: -6.51 ms

Remote clock offset: 9.179 ms

Below is generated by plot.py at 2018-07-24 18:05:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.43 Mbit/s

95th percentile per-packet one-way delay: 114.278 ms

Loss rate: 19.88%

-- Flow 1:

Average throughput: 53.74 Mbit/s

95th percentile per-packet one-way delay: 114.010 ms

Loss rate: 14.31%

-- Flow 2:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 113.445 ms

Loss rate: 24.26%

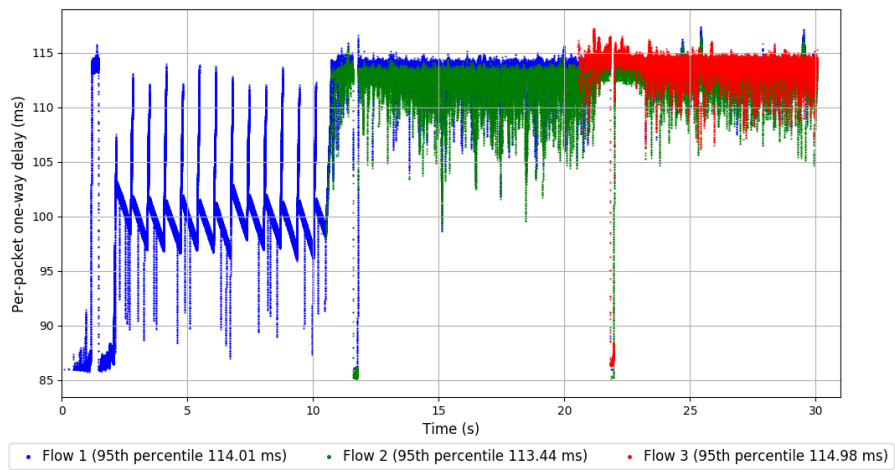
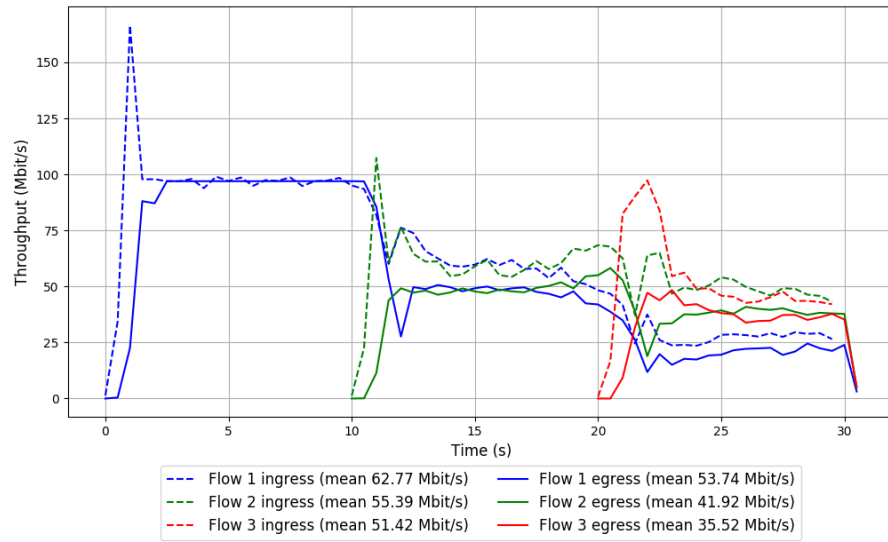
-- Flow 3:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 114.981 ms

Loss rate: 30.88%

Run 9: Report of FillP-Sheep — Data Link

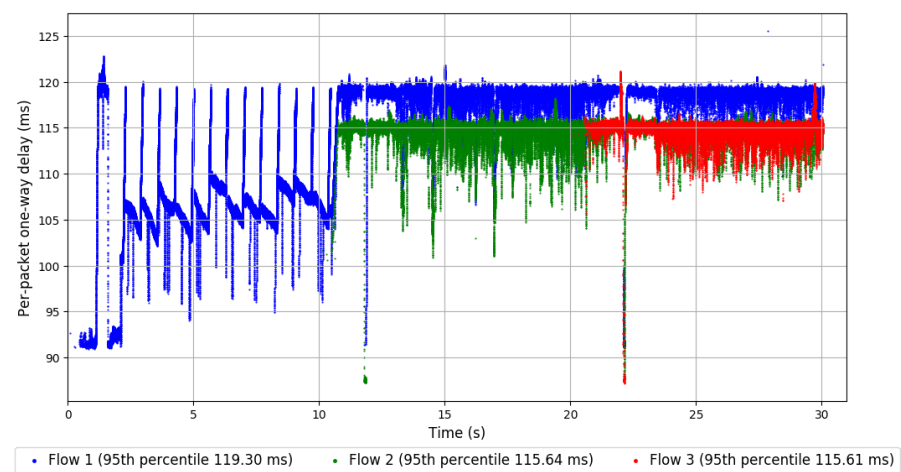
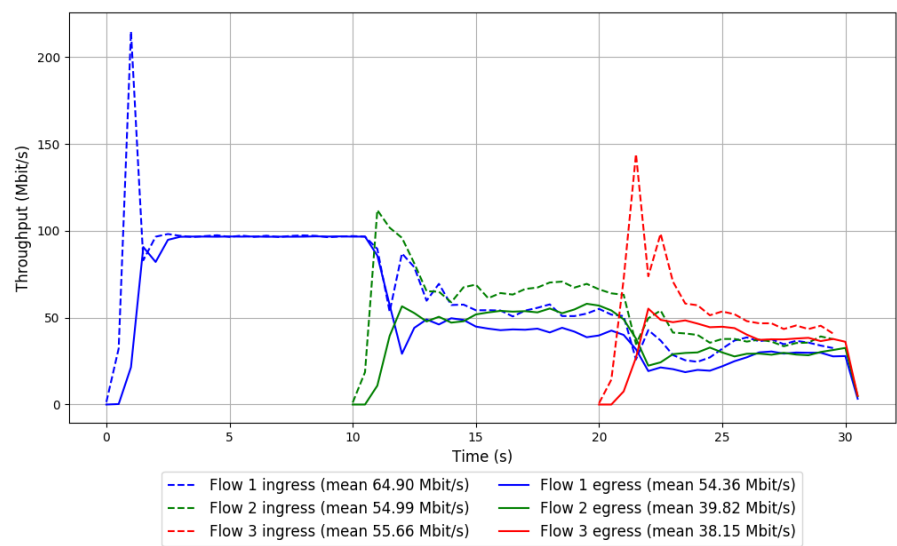


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 17:36:59
End at: 2018-07-24 17:37:29
Local clock offset: -5.346 ms
Remote clock offset: 16.564 ms

Below is generated by plot.py at 2018-07-24 18:05:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 119.190 ms
Loss rate: 21.99%
-- Flow 1:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 119.300 ms
Loss rate: 16.18%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 115.636 ms
Loss rate: 27.52%
-- Flow 3:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 115.610 ms
Loss rate: 31.46%

Run 10: Report of FillP-Sheep — Data Link

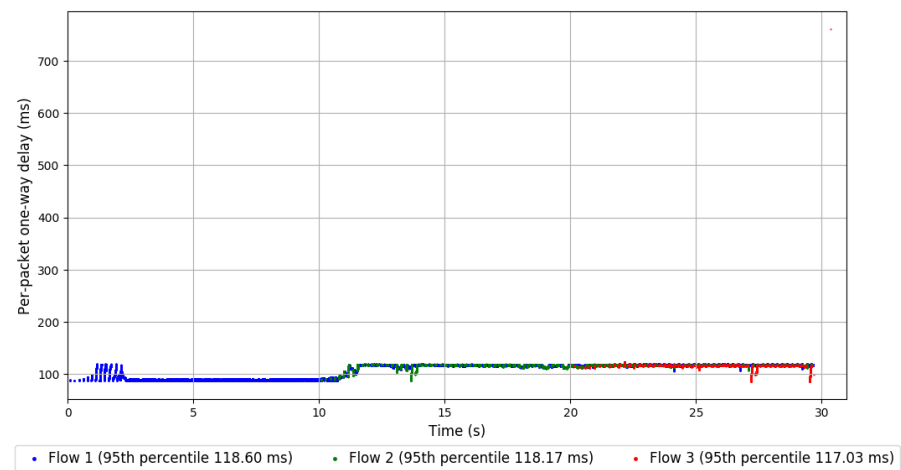
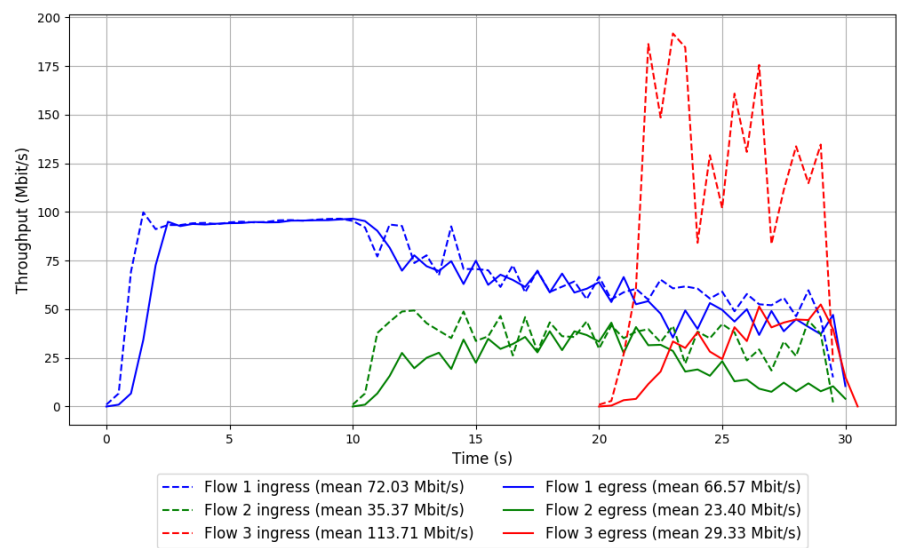


```
Run 1: Statistics of Indigo

Start at: 2018-07-24 14:23:25
End at: 2018-07-24 14:23:55
Local clock offset: -2.12 ms
Remote clock offset: 7.616 ms

# Below is generated by plot.py at 2018-07-24 18:05:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 118.574 ms
Loss rate: 30.36%
-- Flow 1:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 118.598 ms
Loss rate: 7.57%
-- Flow 2:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 118.174 ms
Loss rate: 33.76%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 117.028 ms
Loss rate: 72.65%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-24 14:44:37

End at: 2018-07-24 14:45:07

Local clock offset: -5.61 ms

Remote clock offset: 2.722 ms

Below is generated by plot.py at 2018-07-24 18:05:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.08 Mbit/s

95th percentile per-packet one-way delay: 111.747 ms

Loss rate: 8.88%

-- Flow 1:

Average throughput: 63.59 Mbit/s

95th percentile per-packet one-way delay: 111.749 ms

Loss rate: 4.93%

-- Flow 2:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 111.839 ms

Loss rate: 11.42%

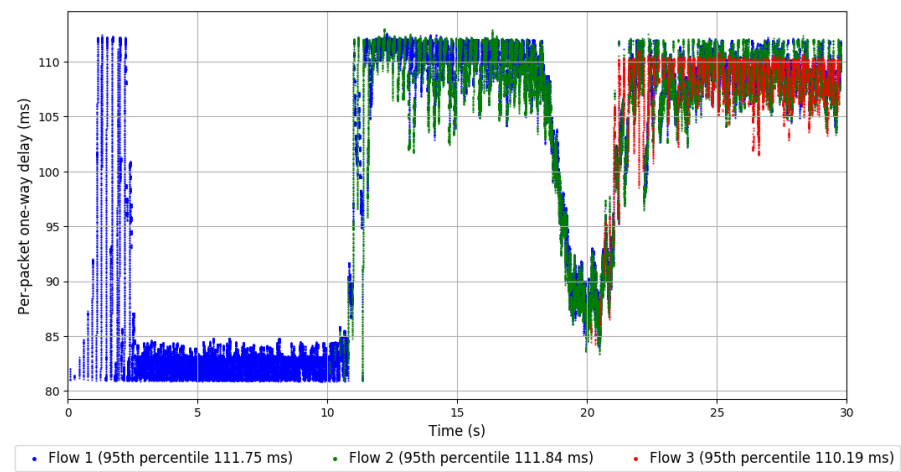
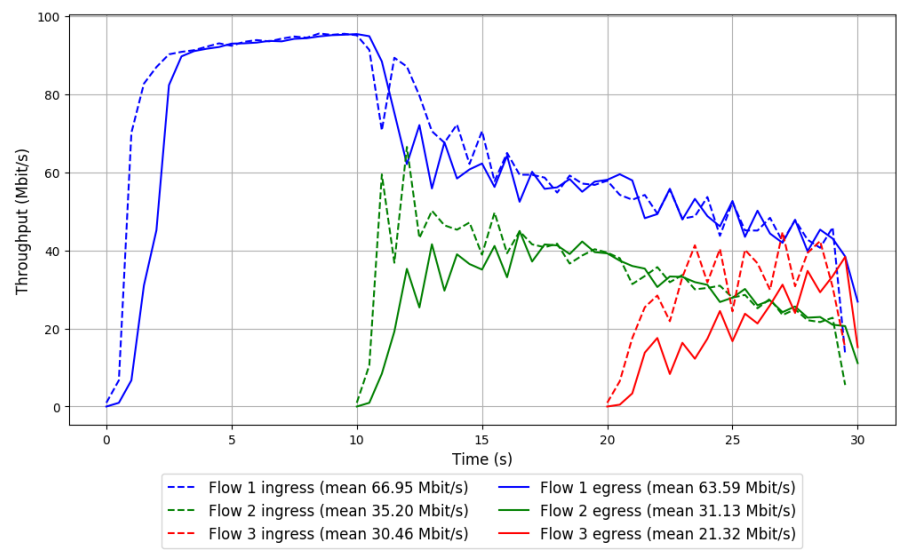
-- Flow 3:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 110.187 ms

Loss rate: 29.83%

Run 2: Report of Indigo — Data Link

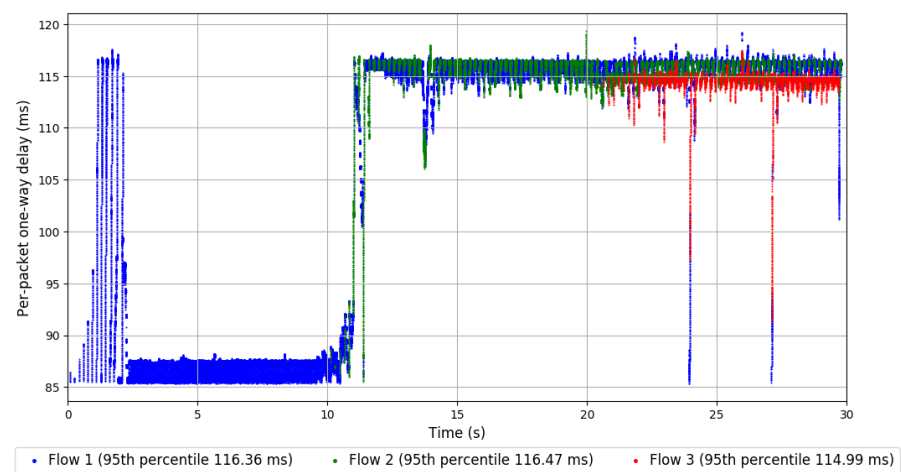
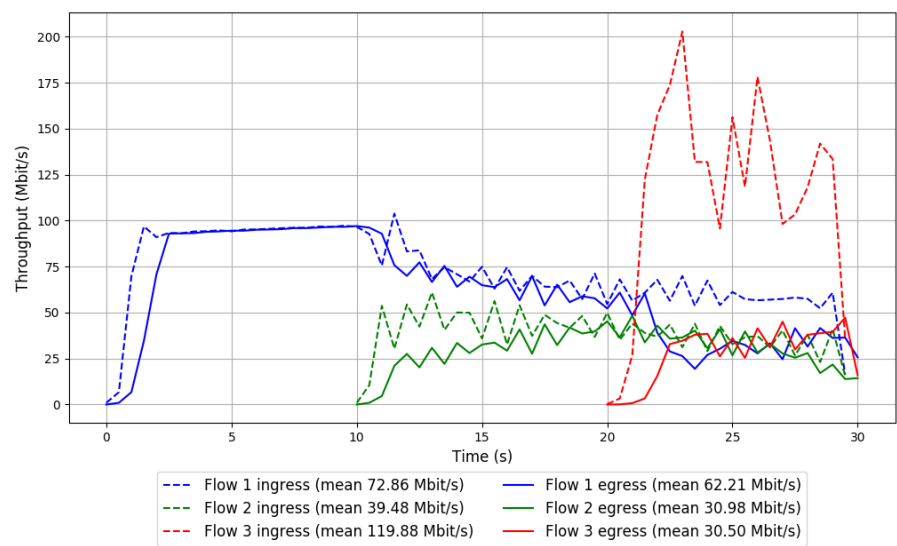


Run 3: Statistics of Indigo

Start at: 2018-07-24 15:05:52
End at: 2018-07-24 15:06:22
Local clock offset: -4.896 ms
Remote clock offset: 10.383 ms

Below is generated by plot.py at 2018-07-24 18:05:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 116.410 ms
Loss rate: 32.59%
-- Flow 1:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 116.359 ms
Loss rate: 14.52%
-- Flow 2:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 116.470 ms
Loss rate: 21.42%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 114.993 ms
Loss rate: 74.56%

Run 3: Report of Indigo — Data Link

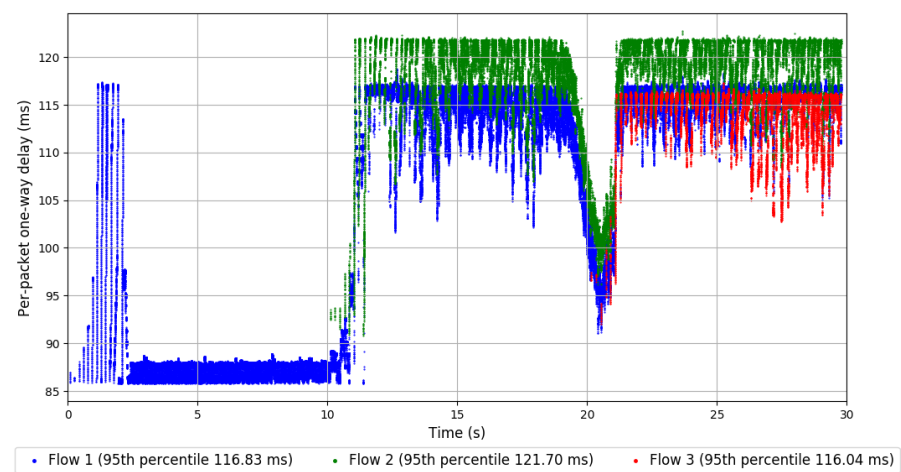
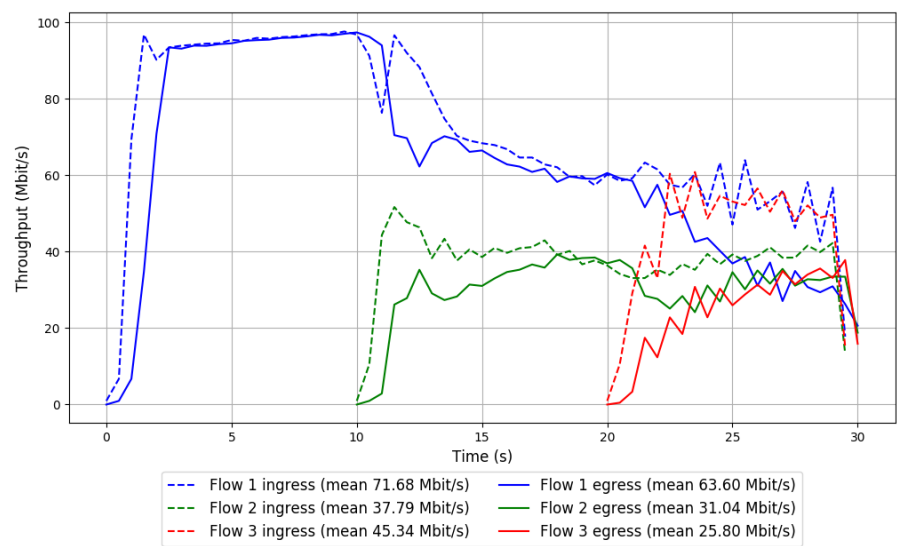


Run 4: Statistics of Indigo

Start at: 2018-07-24 15:27:03
End at: 2018-07-24 15:27:33
Local clock offset: -1.231 ms
Remote clock offset: 17.741 ms

```
# Below is generated by plot.py at 2018-07-24 18:05:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 121.016 ms
Loss rate: 16.84%
-- Flow 1:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 116.825 ms
Loss rate: 11.18%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 121.703 ms
Loss rate: 17.75%
-- Flow 3:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 116.036 ms
Loss rate: 42.97%
```

Run 4: Report of Indigo — Data Link

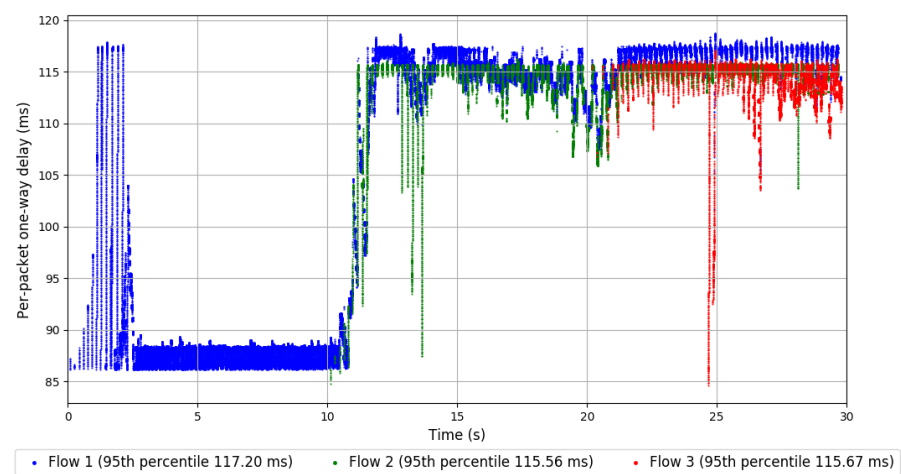
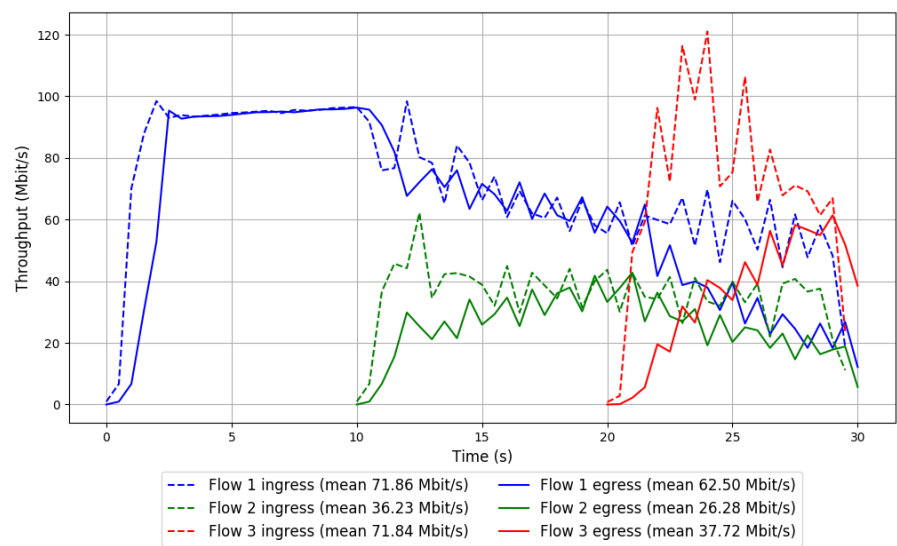


Run 5: Statistics of Indigo

Start at: 2018-07-24 15:48:13
End at: 2018-07-24 15:48:43
Local clock offset: -6.81 ms
Remote clock offset: 10.391 ms

Below is generated by plot.py at 2018-07-24 18:06:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 117.167 ms
Loss rate: 22.58%
-- Flow 1:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 117.199 ms
Loss rate: 12.95%
-- Flow 2:
Average throughput: 26.28 Mbit/s
95th percentile per-packet one-way delay: 115.560 ms
Loss rate: 27.33%
-- Flow 3:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 115.674 ms
Loss rate: 47.51%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-24 16:09:27

End at: 2018-07-24 16:09:57

Local clock offset: -7.351 ms

Remote clock offset: 2.096 ms

Below is generated by plot.py at 2018-07-24 18:06:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 112.644 ms

Loss rate: 11.90%

-- Flow 1:

Average throughput: 58.64 Mbit/s

95th percentile per-packet one-way delay: 110.544 ms

Loss rate: 8.04%

-- Flow 2:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 112.733 ms

Loss rate: 10.57%

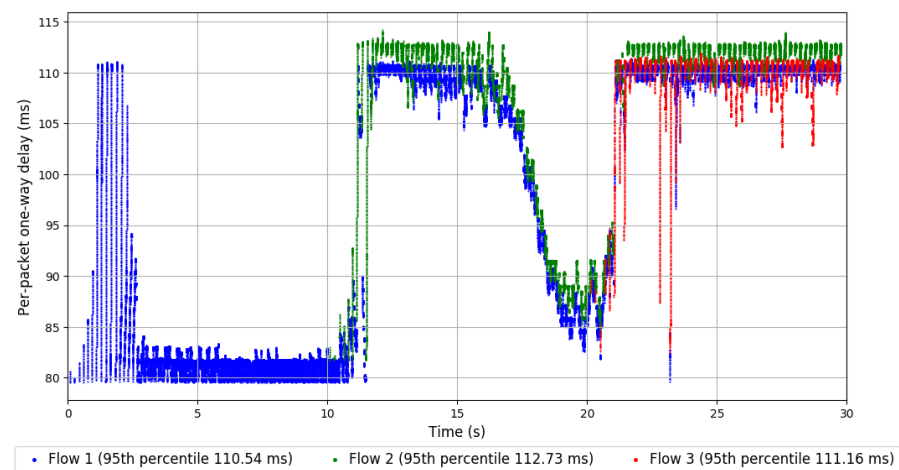
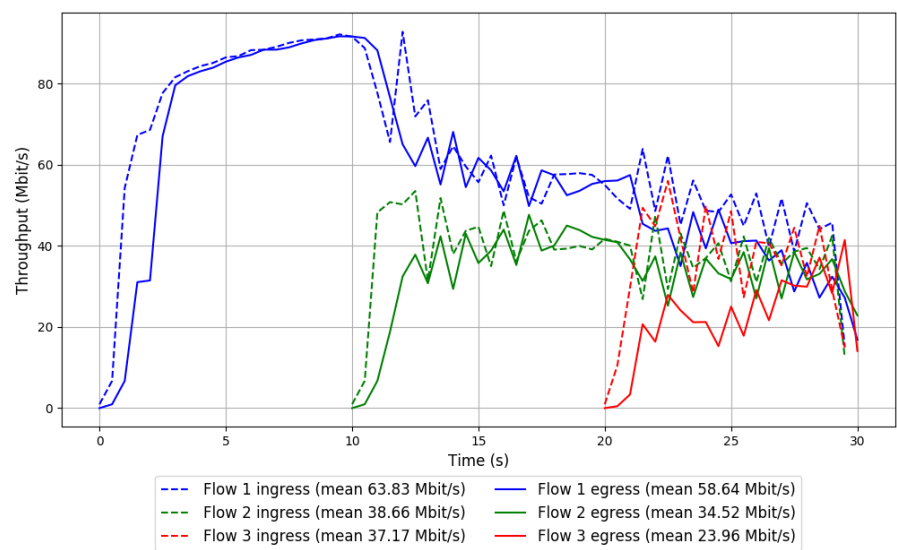
-- Flow 3:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 111.161 ms

Loss rate: 35.39%

Run 6: Report of Indigo — Data Link

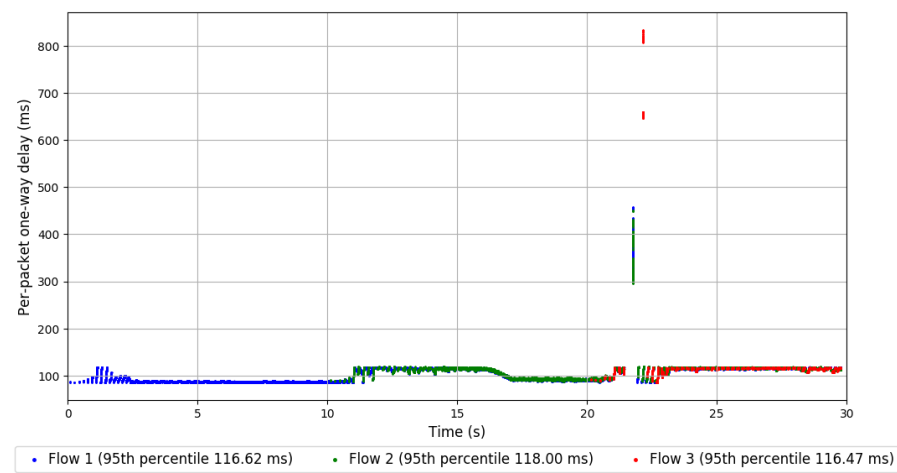
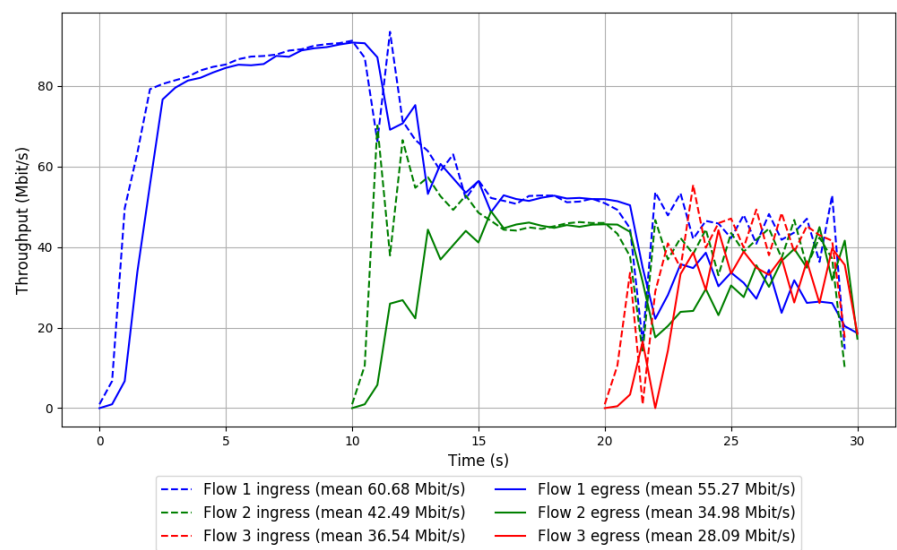


Run 7: Statistics of Indigo

Start at: 2018-07-24 16:30:40
End at: 2018-07-24 16:31:10
Local clock offset: -7.097 ms
Remote clock offset: 7.394 ms

Below is generated by plot.py at 2018-07-24 18:06:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 117.222 ms
Loss rate: 12.93%
-- Flow 1:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 116.620 ms
Loss rate: 8.83%
-- Flow 2:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 118.005 ms
Loss rate: 17.58%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 116.471 ms
Loss rate: 22.92%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-24 16:52:01

End at: 2018-07-24 16:52:31

Local clock offset: -3.039 ms

Remote clock offset: 3.112 ms

Below is generated by plot.py at 2018-07-24 18:06:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.08 Mbit/s

95th percentile per-packet one-way delay: 116.692 ms

Loss rate: 23.82%

-- Flow 1:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 112.957 ms

Loss rate: 11.58%

-- Flow 2:

Average throughput: 22.89 Mbit/s

95th percentile per-packet one-way delay: 113.044 ms

Loss rate: 27.95%

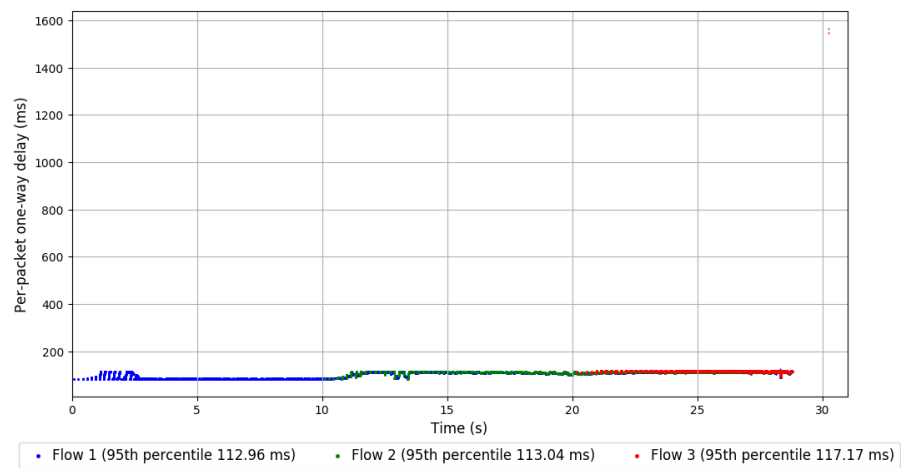
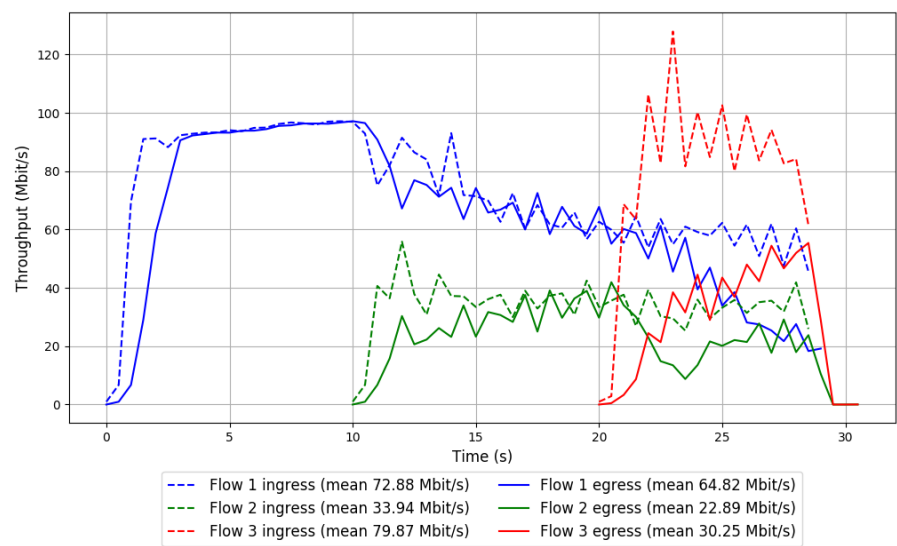
-- Flow 3:

Average throughput: 30.25 Mbit/s

95th percentile per-packet one-way delay: 117.165 ms

Loss rate: 56.67%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-24 17:13:14

End at: 2018-07-24 17:13:44

Local clock offset: -6.162 ms

Remote clock offset: 3.064 ms

Below is generated by plot.py at 2018-07-24 18:06:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 112.721 ms

Loss rate: 21.07%

-- Flow 1:

Average throughput: 62.53 Mbit/s

95th percentile per-packet one-way delay: 112.752 ms

Loss rate: 6.83%

-- Flow 2:

Average throughput: 26.01 Mbit/s

95th percentile per-packet one-way delay: 110.228 ms

Loss rate: 26.36%

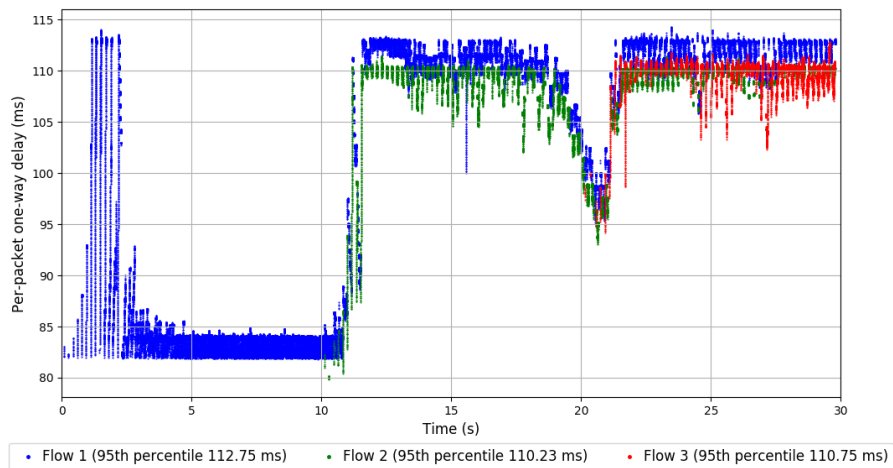
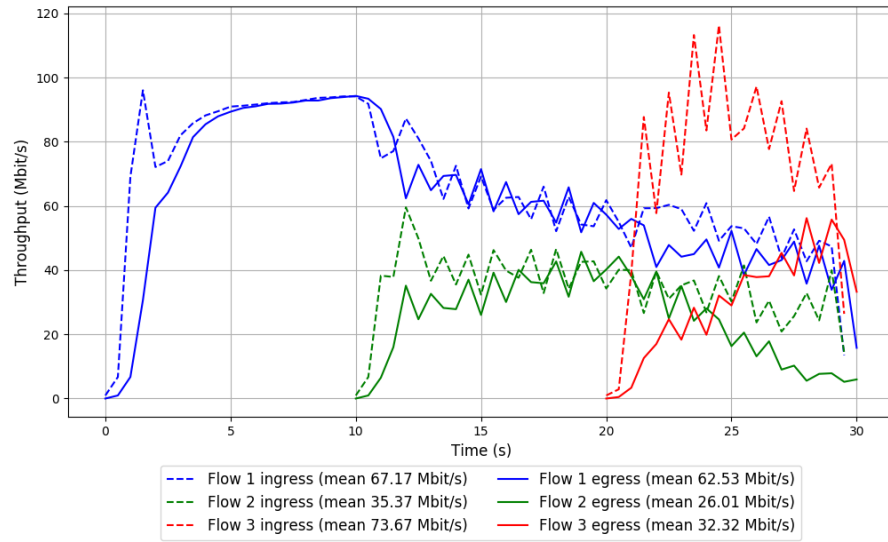
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 110.754 ms

Loss rate: 56.06%

Run 9: Report of Indigo — Data Link

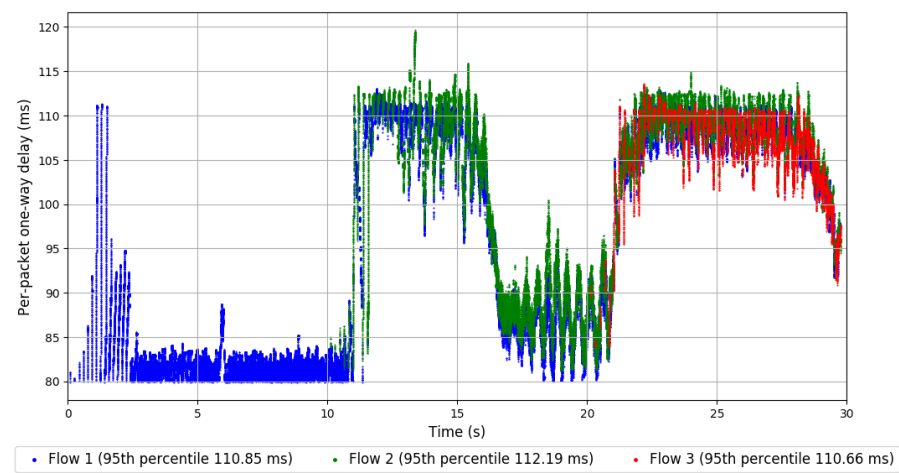
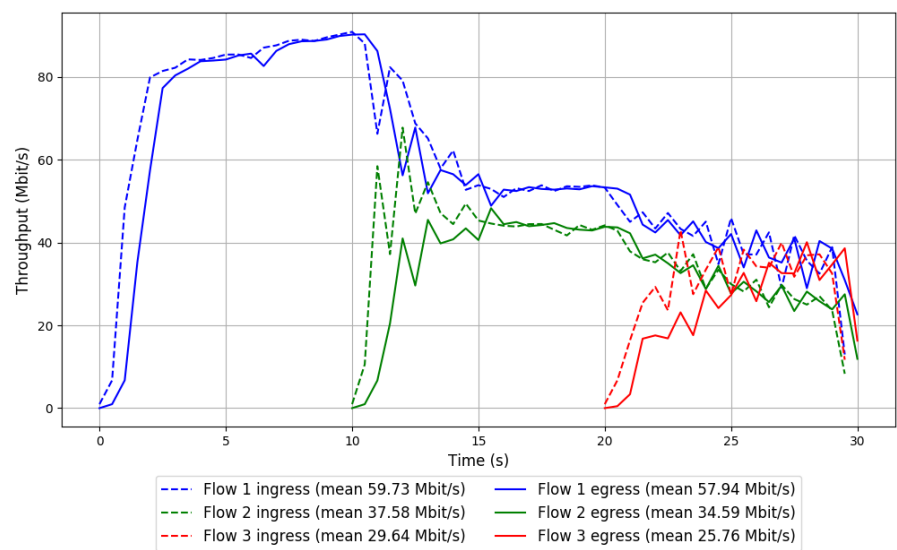


Run 10: Statistics of Indigo

Start at: 2018-07-24 17:34:23
End at: 2018-07-24 17:34:53
Local clock offset: -6.35 ms
Remote clock offset: 10.028 ms

Below is generated by plot.py at 2018-07-24 18:06:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 111.151 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 110.847 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 112.191 ms
Loss rate: 7.91%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 110.656 ms
Loss rate: 13.01%

Run 10: Report of Indigo — Data Link

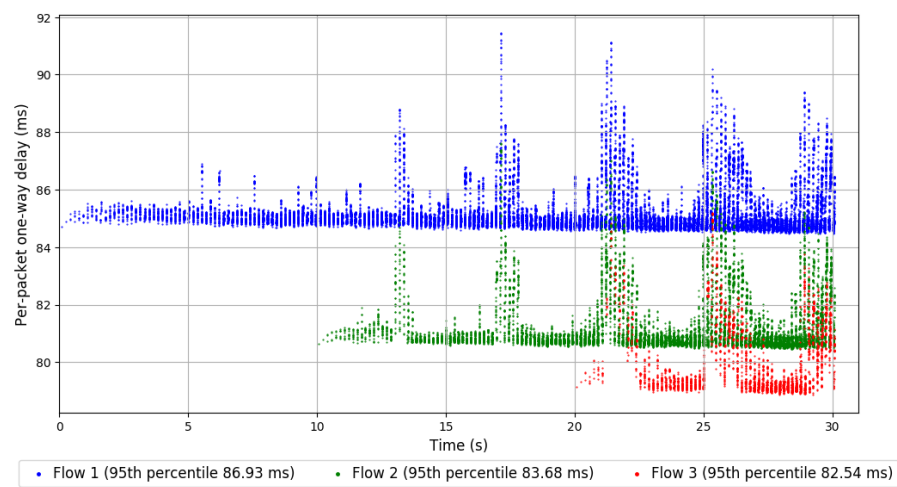
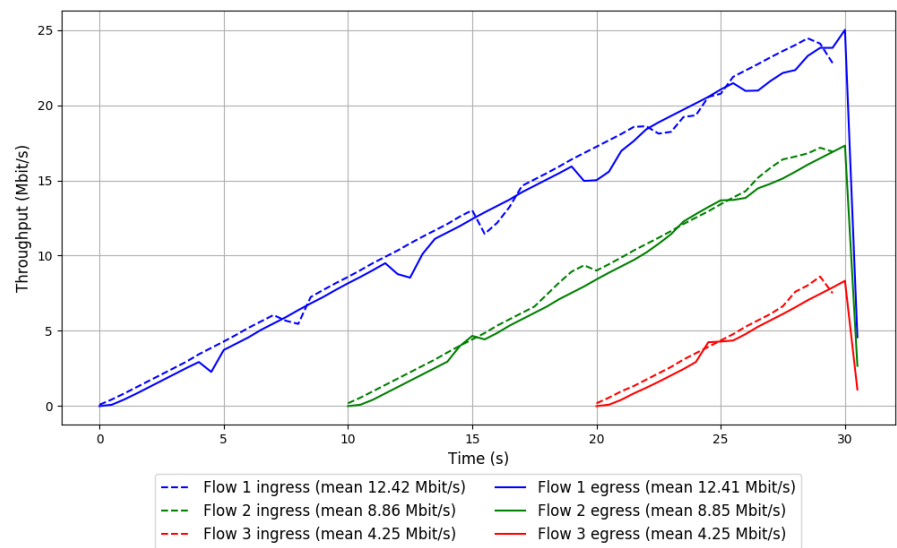


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 14:32:19
End at: 2018-07-24 14:32:49
Local clock offset: -1.998 ms
Remote clock offset: 2.065 ms

# Below is generated by plot.py at 2018-07-24 18:06:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 86.449 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 86.929 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 83.679 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 82.537 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

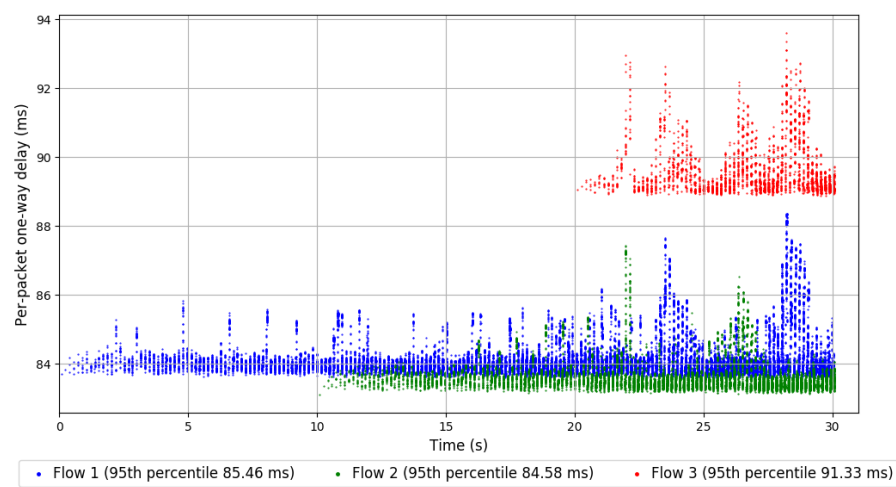
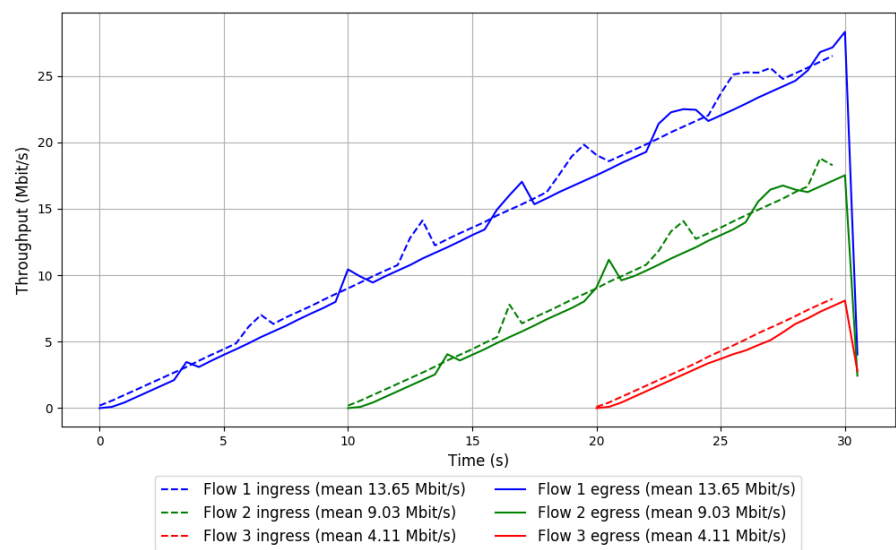


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-24 14:53:32
End at: 2018-07-24 14:54:02
Local clock offset: -6.603 ms
Remote clock offset: 6.79 ms

# Below is generated by plot.py at 2018-07-24 18:06:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 89.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 85.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 84.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 91.330 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

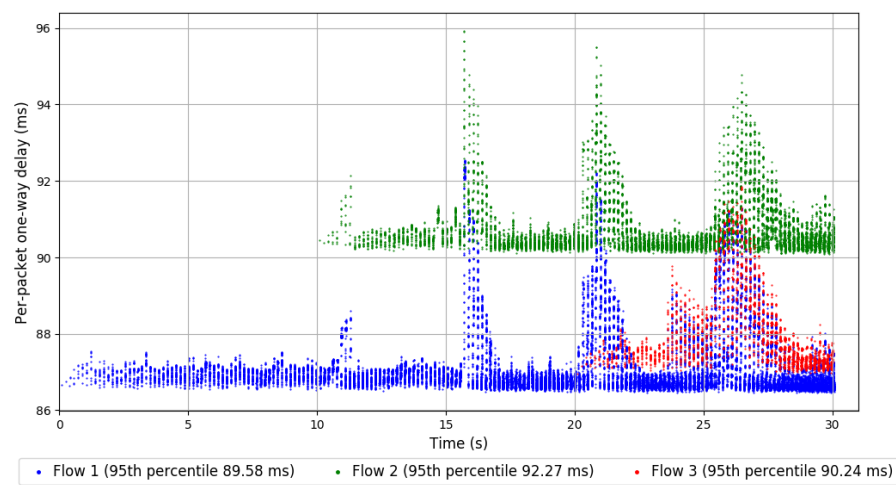
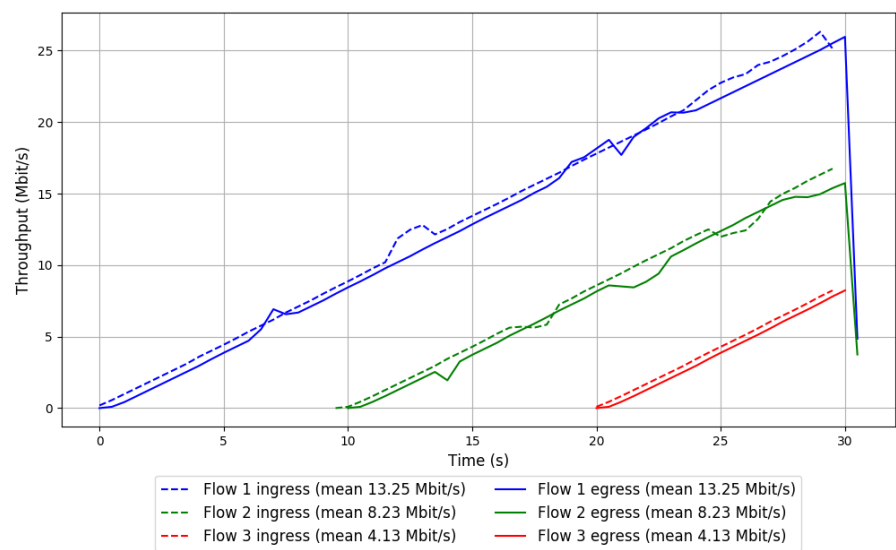


Run 3: Statistics of LEDBAT

Start at: 2018-07-24 15:14:46
End at: 2018-07-24 15:15:16
Local clock offset: -2.554 ms
Remote clock offset: 15.754 ms

Below is generated by plot.py at 2018-07-24 18:06:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 91.231 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 89.583 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 92.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 90.239 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

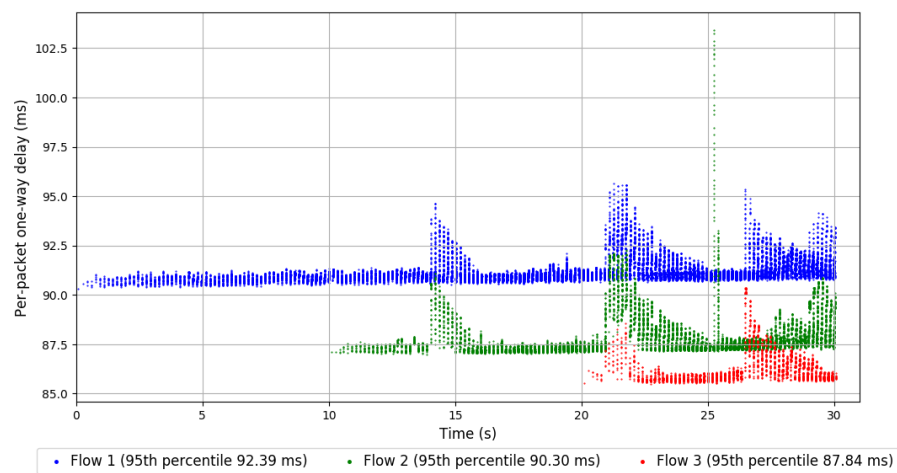
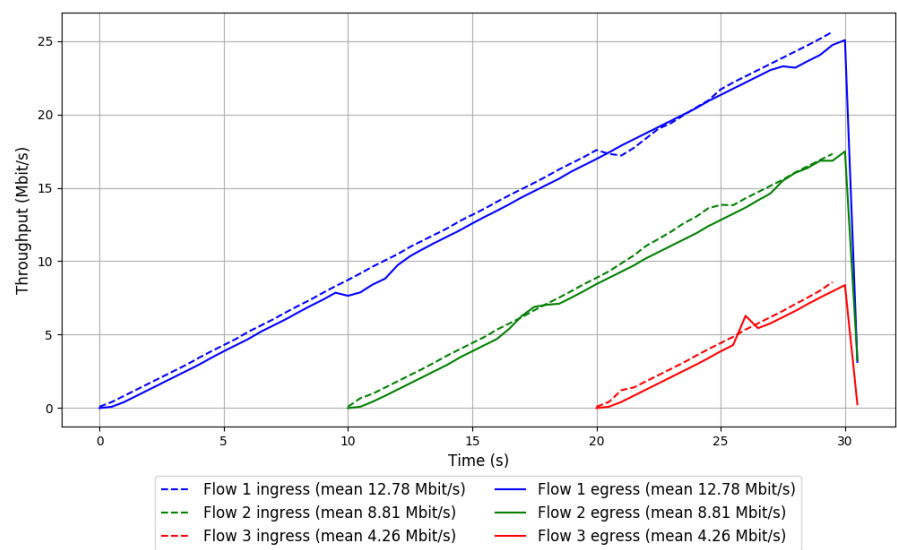


Run 4: Statistics of LEDBAT

Start at: 2018-07-24 15:35:57
End at: 2018-07-24 15:36:27
Local clock offset: -3.438 ms
Remote clock offset: 20.329 ms

Below is generated by plot.py at 2018-07-24 18:06:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 92.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 92.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 90.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 87.842 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-24 15:57:10

End at: 2018-07-24 15:57:40

Local clock offset: -7.764 ms

Remote clock offset: 8.258 ms

Below is generated by plot.py at 2018-07-24 18:06:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 87.894 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 87.610 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 87.982 ms

Loss rate: 0.00%

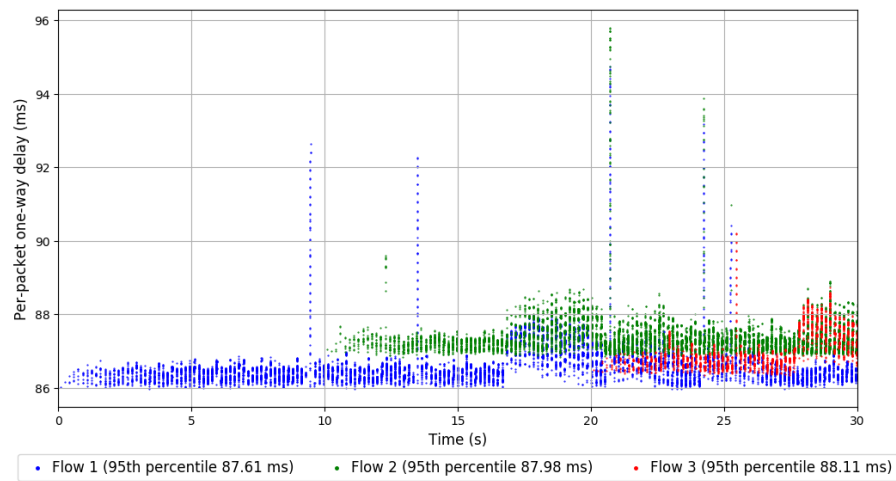
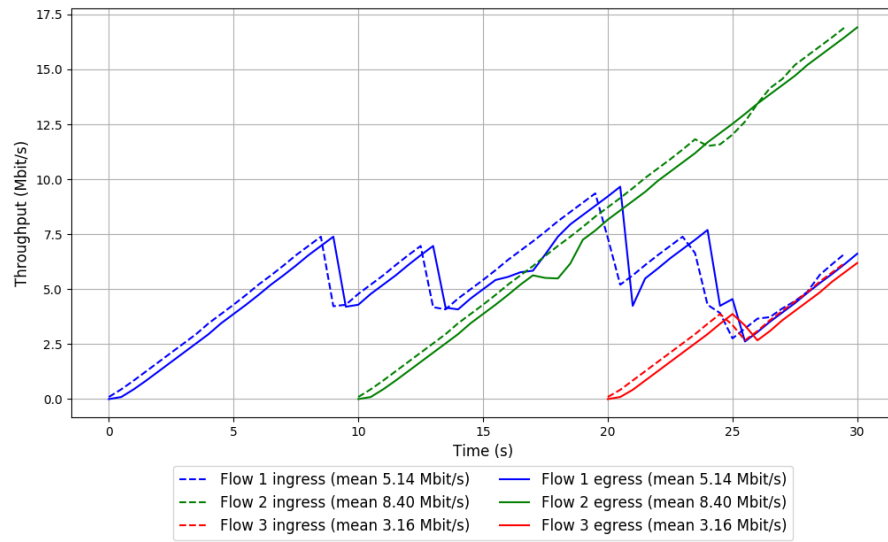
-- Flow 3:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 88.105 ms

Loss rate: 0.04%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-24 16:18:24

End at: 2018-07-24 16:18:54

Local clock offset: -7.094 ms

Remote clock offset: 7.915 ms

Below is generated by plot.py at 2018-07-24 18:06:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.06 Mbit/s

95th percentile per-packet one-way delay: 89.231 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.59 Mbit/s

95th percentile per-packet one-way delay: 88.660 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.16 Mbit/s

95th percentile per-packet one-way delay: 89.386 ms

Loss rate: 0.03%

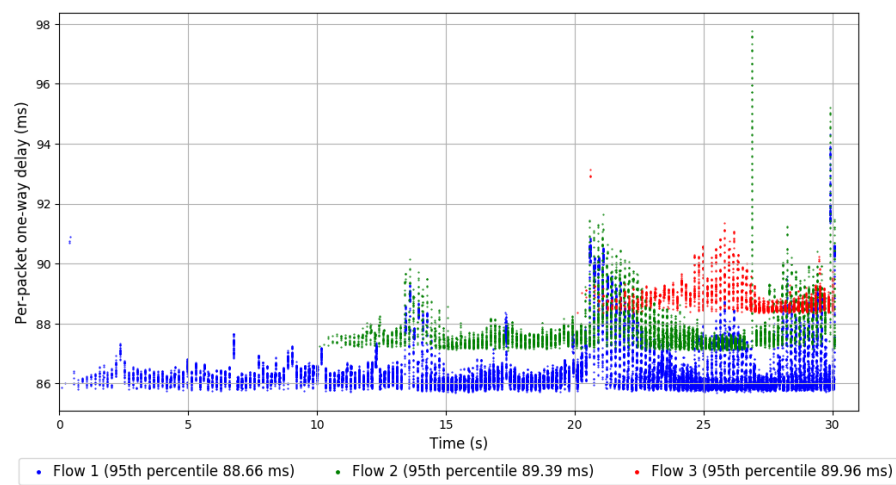
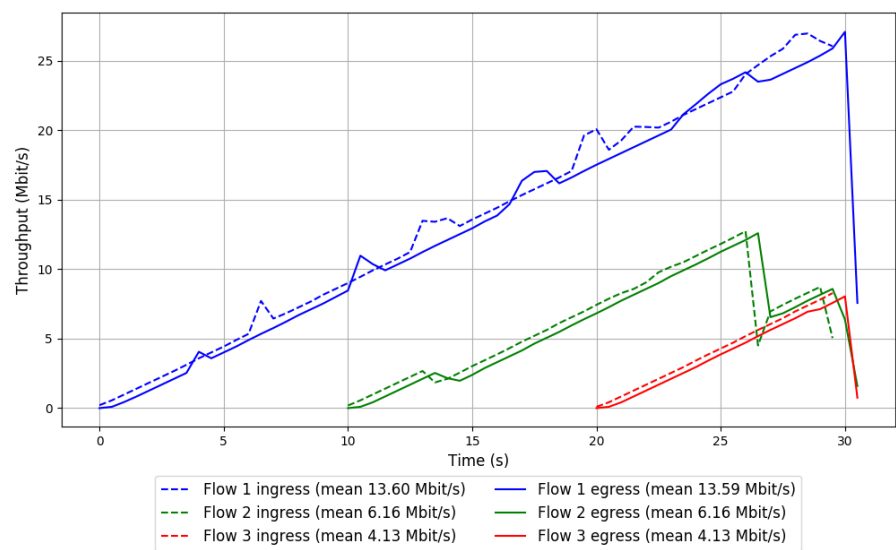
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 89.957 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-24 16:39:37

End at: 2018-07-24 16:40:07

Local clock offset: -4.582 ms

Remote clock offset: 6.079 ms

Below is generated by plot.py at 2018-07-24 18:06:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 88.408 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 88.651 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 87.398 ms

Loss rate: 0.00%

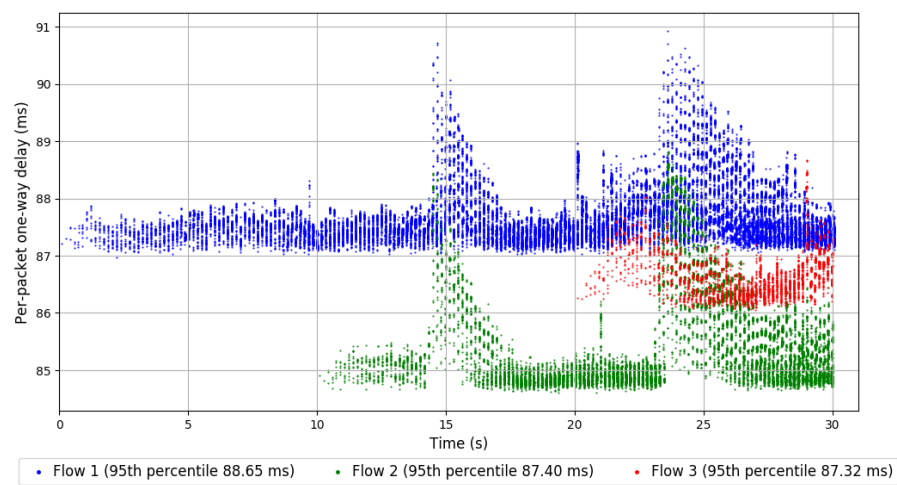
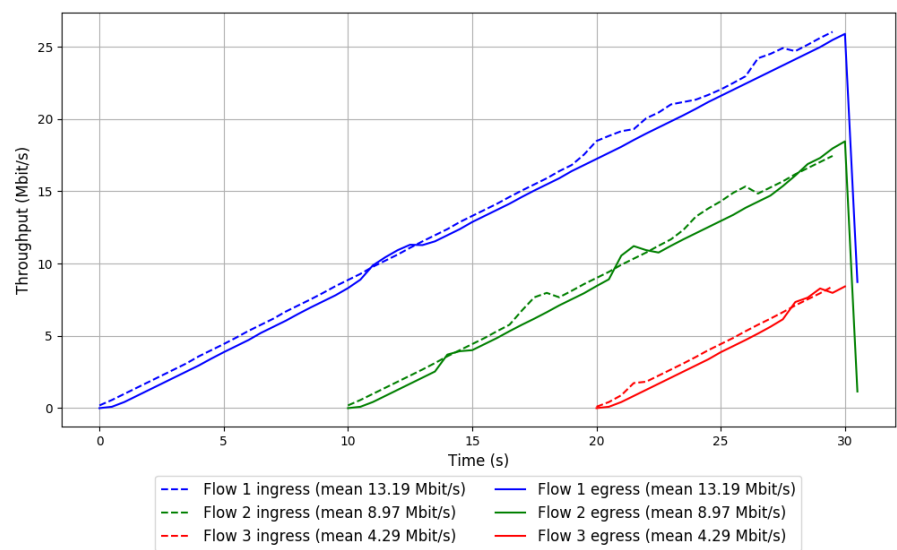
-- Flow 3:

Average throughput: 4.29 Mbit/s

95th percentile per-packet one-way delay: 87.318 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-24 17:00:58

End at: 2018-07-24 17:01:28

Local clock offset: -2.561 ms

Remote clock offset: 2.787 ms

Below is generated by plot.py at 2018-07-24 18:06:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.05 Mbit/s

95th percentile per-packet one-way delay: 83.097 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 83.239 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 82.800 ms

Loss rate: 0.00%

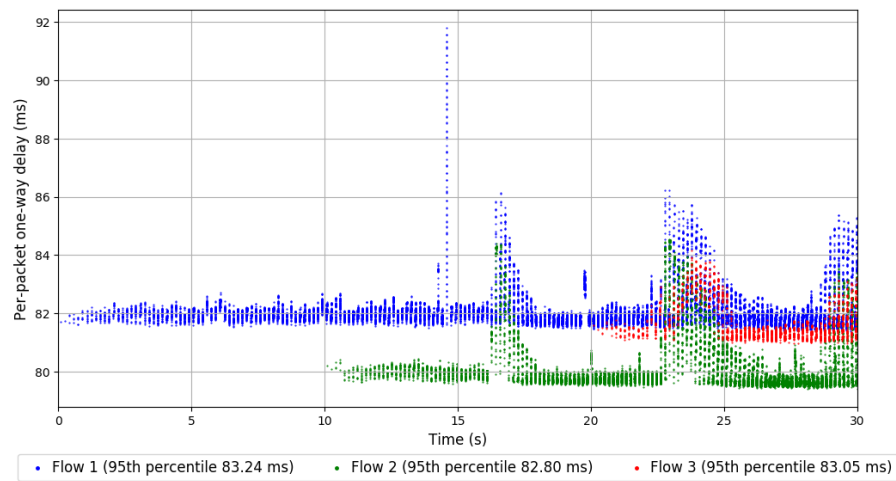
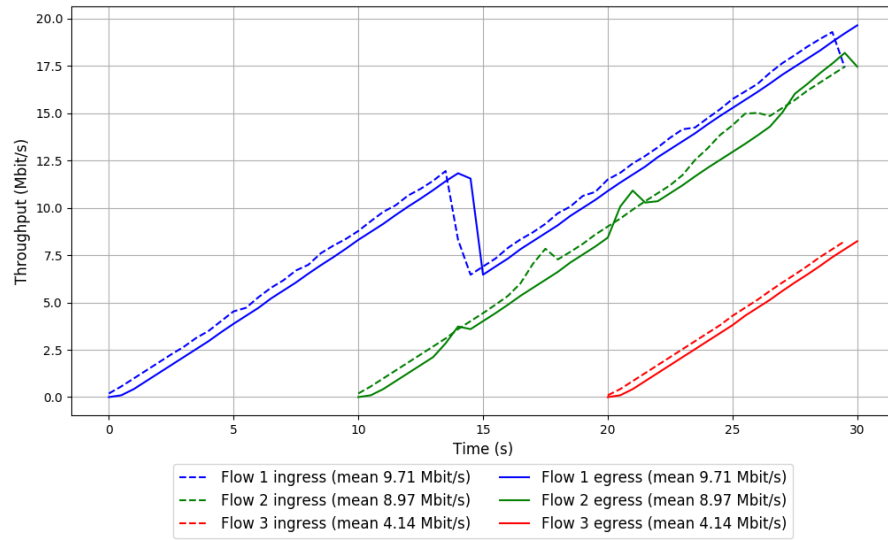
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 83.046 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-24 17:22:06

End at: 2018-07-24 17:22:36

Local clock offset: -7.144 ms

Remote clock offset: 5.85 ms

Below is generated by plot.py at 2018-07-24 18:06:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.47 Mbit/s

95th percentile per-packet one-way delay: 87.396 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 87.508 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 8.79 Mbit/s

95th percentile per-packet one-way delay: 82.131 ms

Loss rate: 0.00%

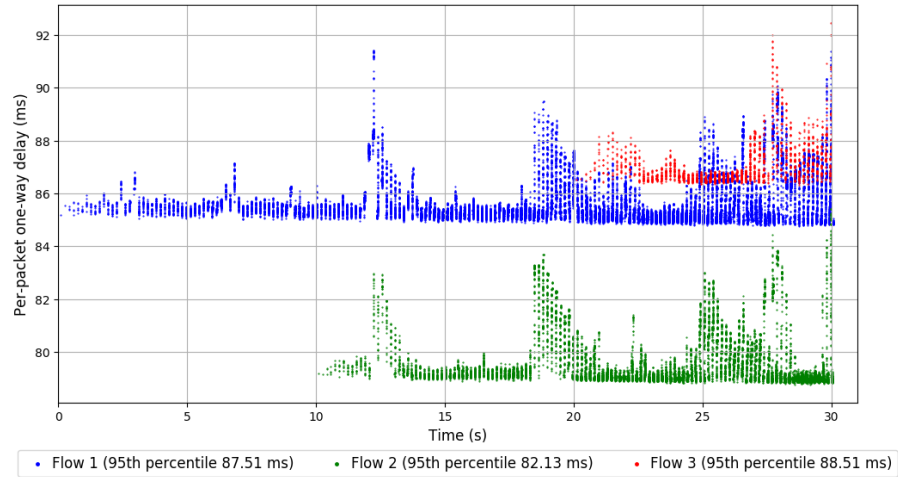
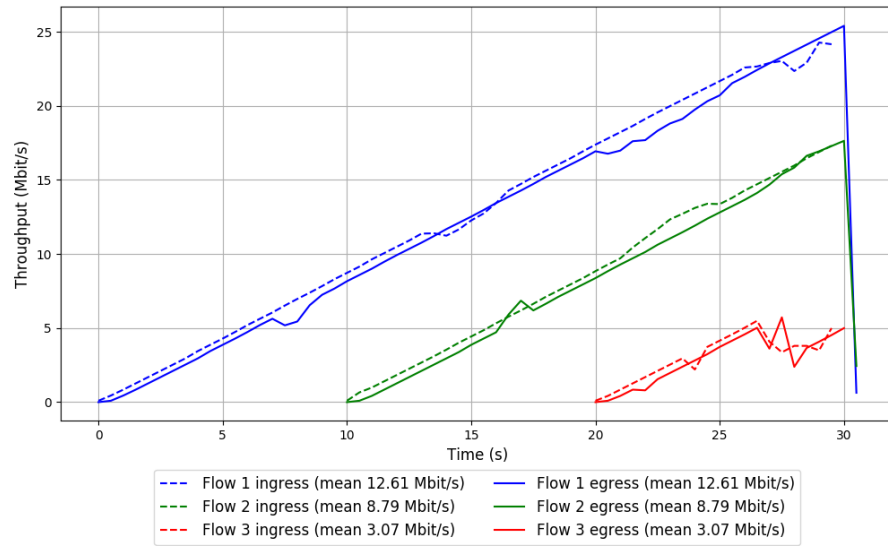
-- Flow 3:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 88.511 ms

Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

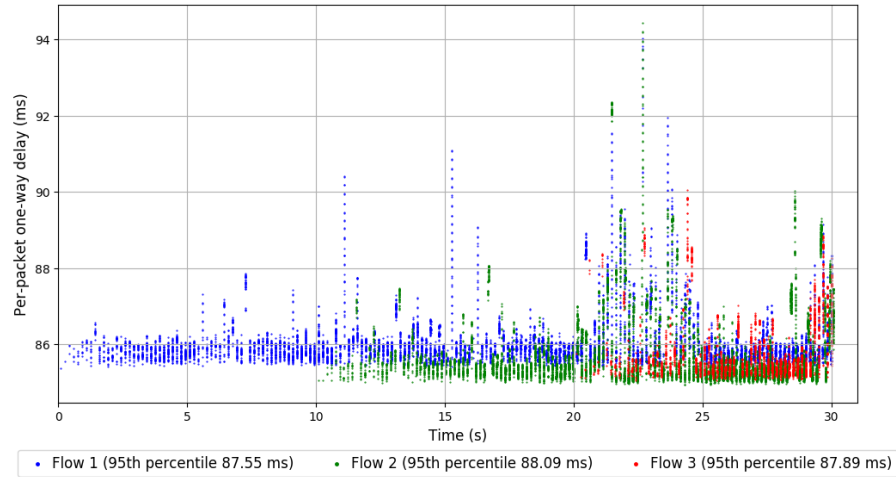
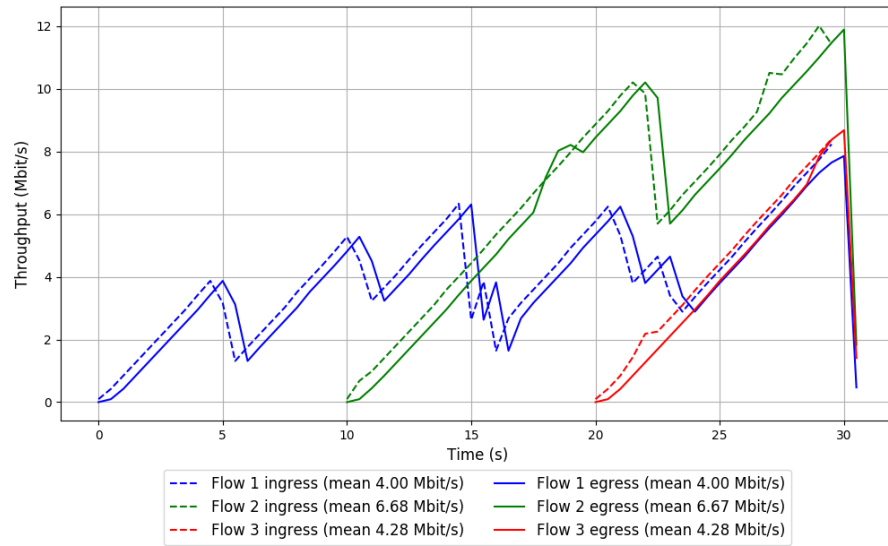


Run 10: Statistics of LEDBAT

Start at: 2018-07-24 17:43:17
End at: 2018-07-24 17:43:47
Local clock offset: -3.848 ms
Remote clock offset: 15.397 ms

Below is generated by plot.py at 2018-07-24 18:06:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 87.886 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 87.549 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 88.089 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

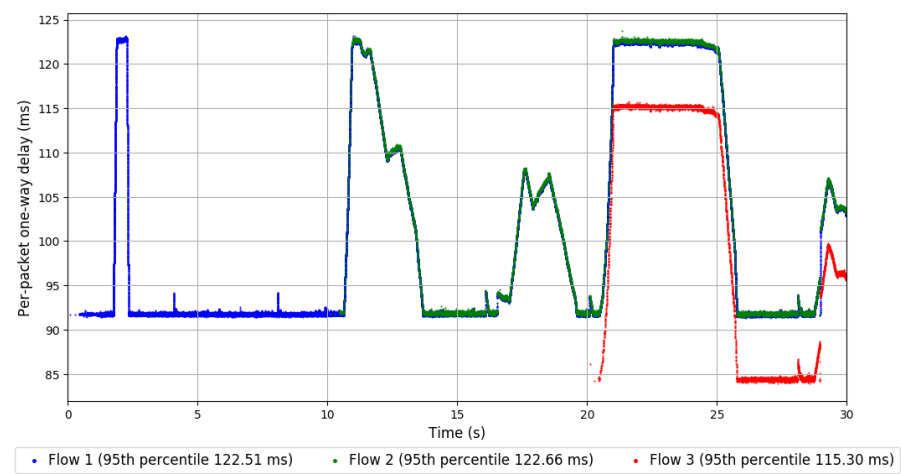
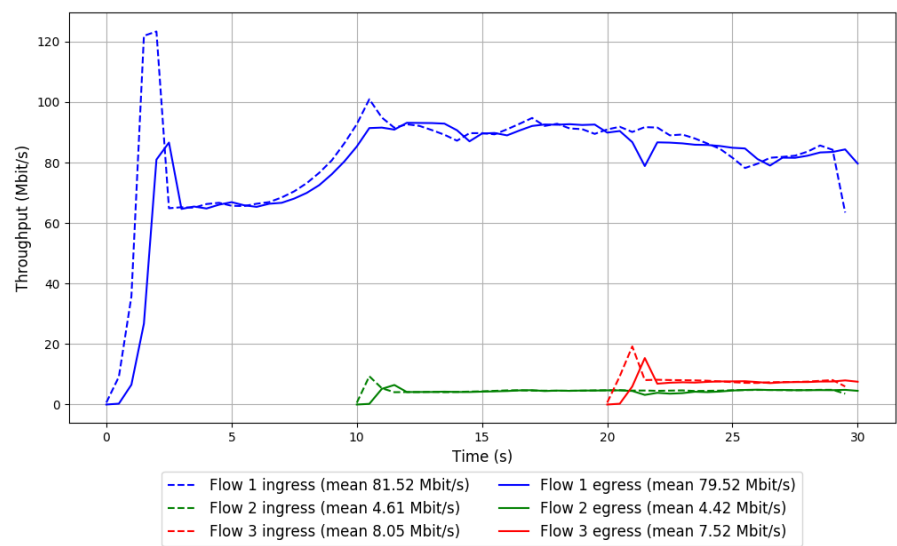


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 14:35:57
End at: 2018-07-24 14:36:27
Local clock offset: -3.588 ms
Remote clock offset: 7.43 ms

# Below is generated by plot.py at 2018-07-24 18:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 122.515 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 122.512 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 122.660 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 115.298 ms
Loss rate: 6.51%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 14:57:09

End at: 2018-07-24 14:57:39

Local clock offset: -6.778 ms

Remote clock offset: 9.072 ms

Below is generated by plot.py at 2018-07-24 18:07:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 119.349 ms

Loss rate: 3.31%

-- Flow 1:

Average throughput: 68.46 Mbit/s

95th percentile per-packet one-way delay: 119.225 ms

Loss rate: 3.11%

-- Flow 2:

Average throughput: 17.74 Mbit/s

95th percentile per-packet one-way delay: 122.141 ms

Loss rate: 3.38%

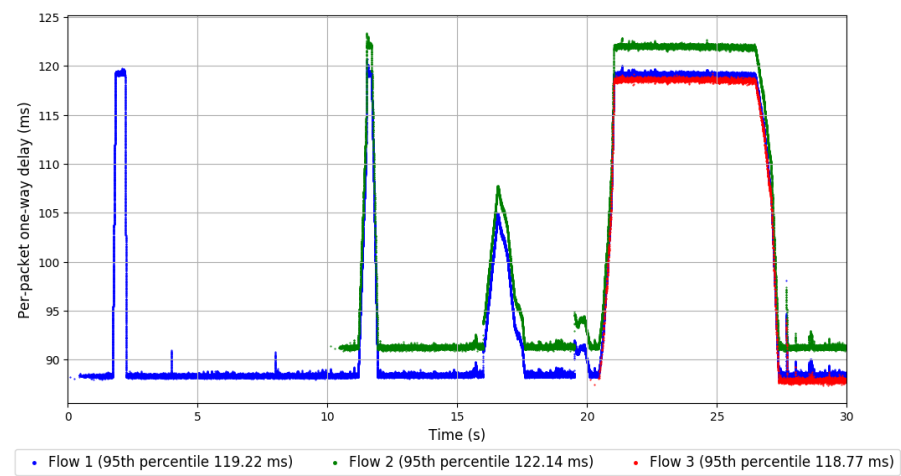
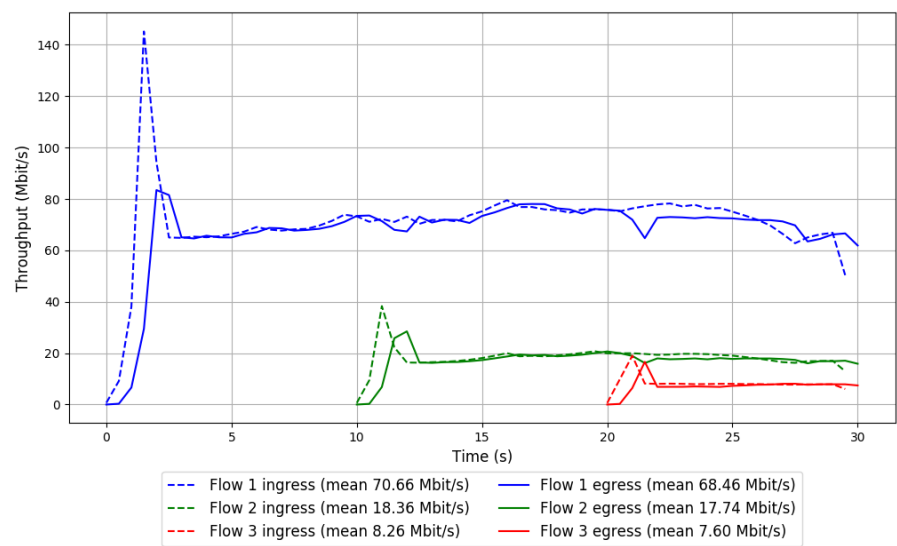
-- Flow 3:

Average throughput: 7.60 Mbit/s

95th percentile per-packet one-way delay: 118.772 ms

Loss rate: 7.94%

Run 2: Report of PCC-Allegro — Data Link

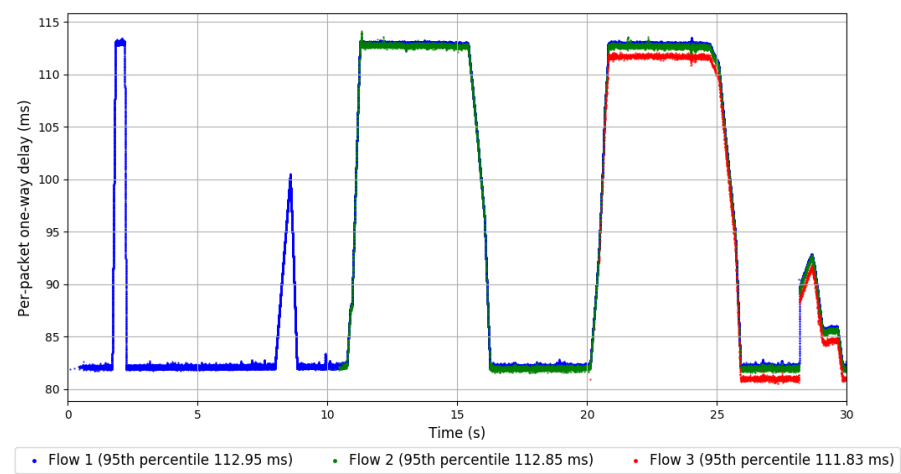
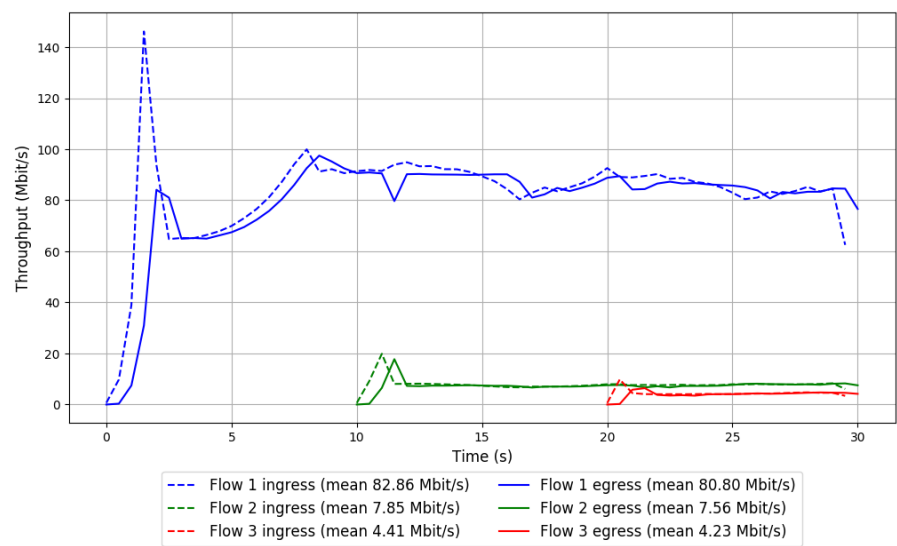


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 15:18:24
End at: 2018-07-24 15:18:54
Local clock offset: -2.105 ms
Remote clock offset: 11.709 ms

Below is generated by plot.py at 2018-07-24 18:07:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 112.944 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 80.80 Mbit/s
95th percentile per-packet one-way delay: 112.949 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 112.850 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 111.833 ms
Loss rate: 4.08%

Run 3: Report of PCC-Allegro — Data Link

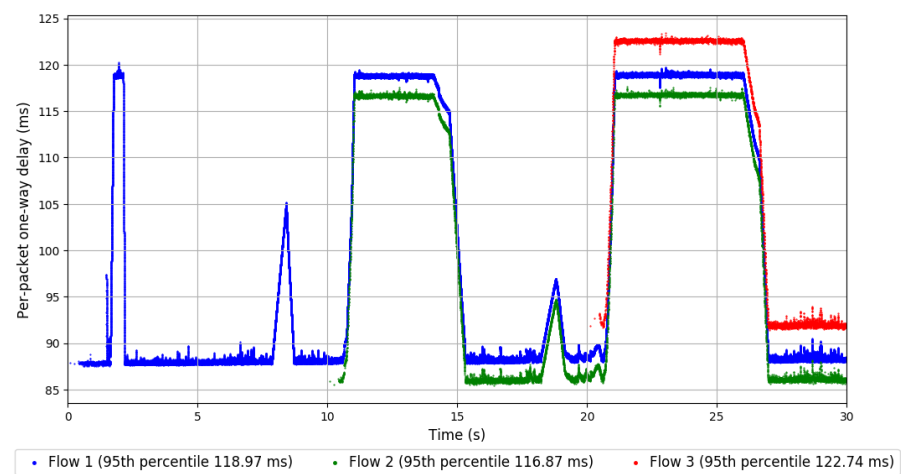
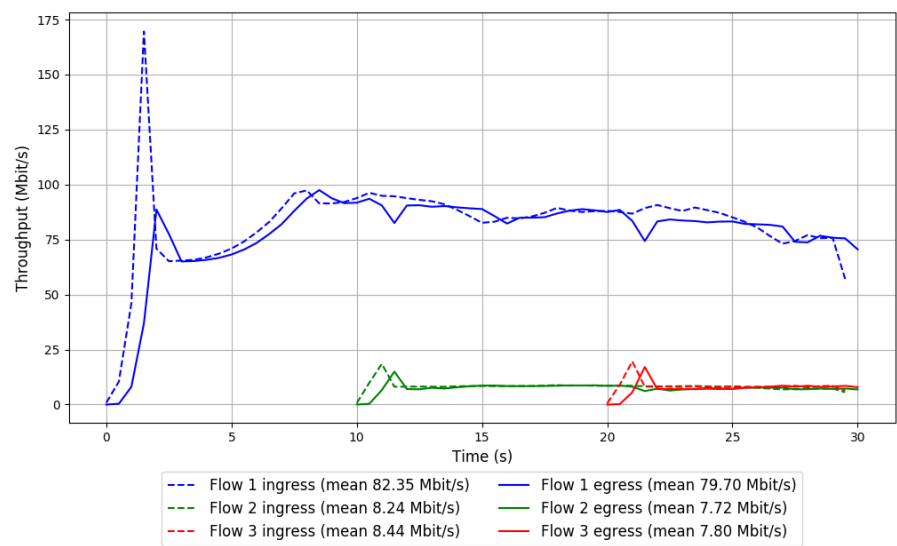


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 15:39:35
End at: 2018-07-24 15:40:05
Local clock offset: -4.891 ms
Remote clock offset: 16.874 ms

```
# Below is generated by plot.py at 2018-07-24 18:07:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 118.995 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 79.70 Mbit/s
95th percentile per-packet one-way delay: 118.973 ms
Loss rate: 3.22%
-- Flow 2:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 116.867 ms
Loss rate: 6.30%
-- Flow 3:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 122.737 ms
Loss rate: 7.63%
```

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 16:00:47

End at: 2018-07-24 16:01:17

Local clock offset: -8.073 ms

Remote clock offset: 3.891 ms

Below is generated by plot.py at 2018-07-24 18:07:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 112.138 ms

Loss rate: 2.84%

-- Flow 1:

Average throughput: 78.75 Mbit/s

95th percentile per-packet one-way delay: 112.048 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 119.057 ms

Loss rate: 3.94%

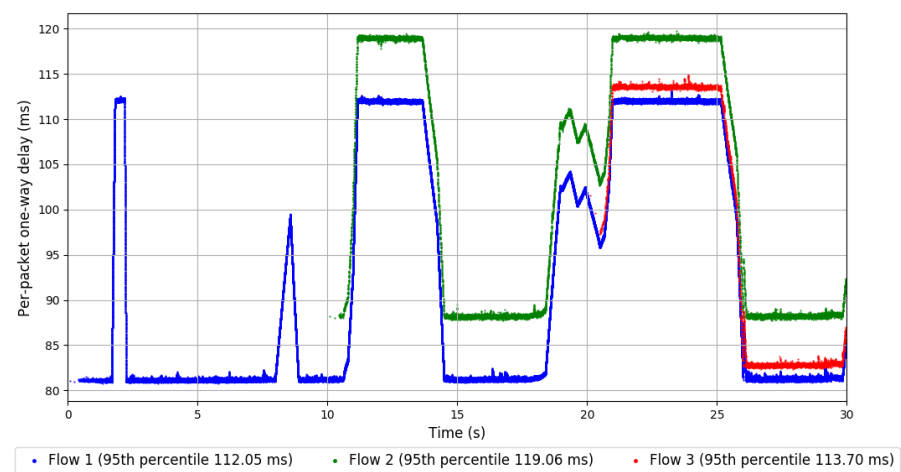
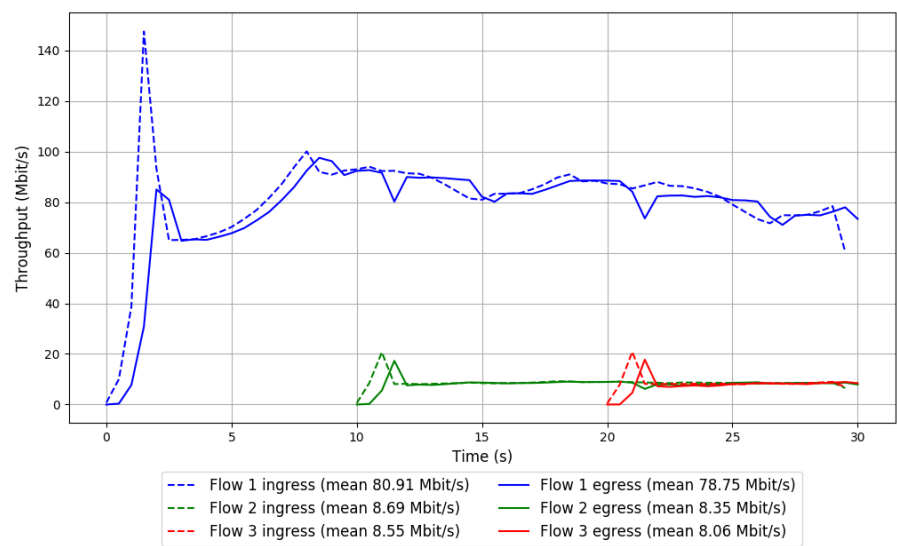
-- Flow 3:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 113.699 ms

Loss rate: 5.87%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 16:22:01

End at: 2018-07-24 16:22:31

Local clock offset: -7.098 ms

Remote clock offset: 2.711 ms

Below is generated by plot.py at 2018-07-24 18:07:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 119.114 ms

Loss rate: 2.91%

-- Flow 1:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 119.123 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 114.306 ms

Loss rate: 3.84%

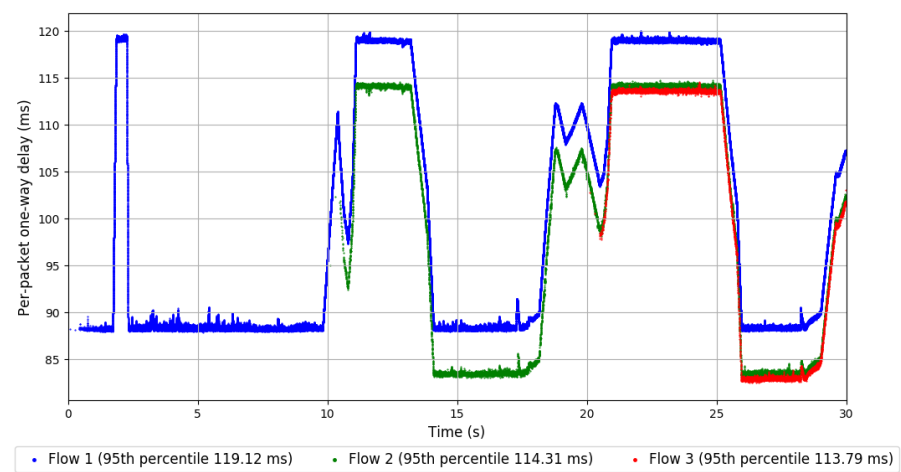
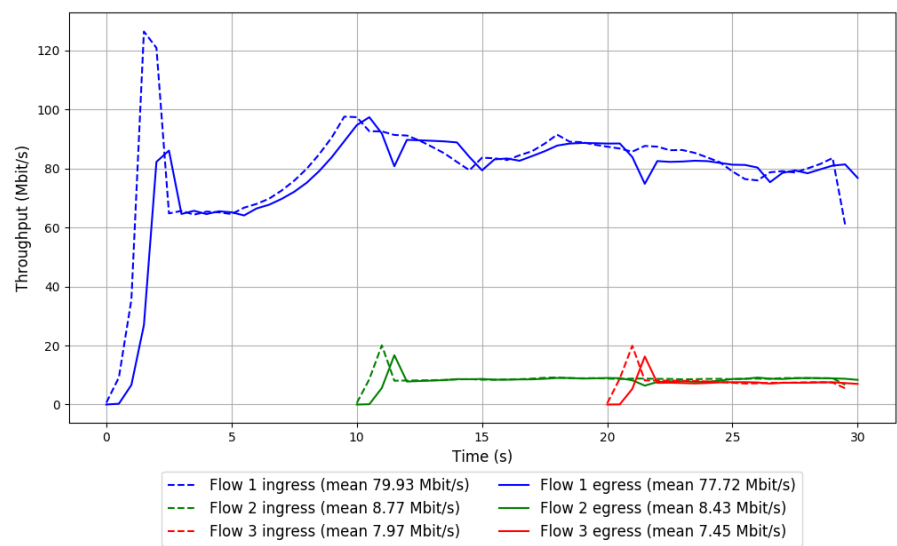
-- Flow 3:

Average throughput: 7.45 Mbit/s

95th percentile per-packet one-way delay: 113.788 ms

Loss rate: 6.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 16:43:14

End at: 2018-07-24 16:43:44

Local clock offset: -3.96 ms

Remote clock offset: 0.911 ms

Below is generated by plot.py at 2018-07-24 18:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 112.086 ms

Loss rate: 3.99%

-- Flow 1:

Average throughput: 79.93 Mbit/s

95th percentile per-packet one-way delay: 112.065 ms

Loss rate: 3.56%

-- Flow 2:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 110.937 ms

Loss rate: 7.57%

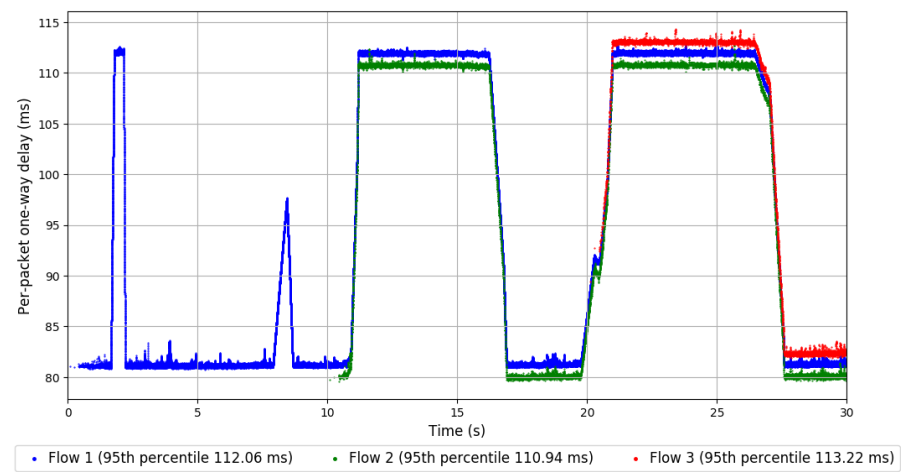
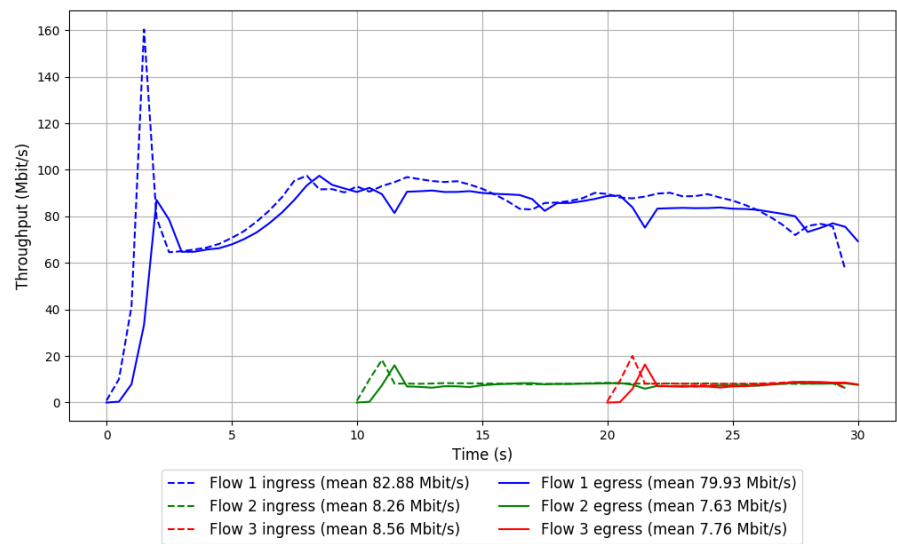
-- Flow 3:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 113.221 ms

Loss rate: 9.47%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 17:04:35

End at: 2018-07-24 17:05:05

Local clock offset: -3.884 ms

Remote clock offset: 7.96 ms

Below is generated by plot.py at 2018-07-24 18:08:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 122.517 ms

Loss rate: 3.12%

-- Flow 1:

Average throughput: 77.99 Mbit/s

95th percentile per-packet one-way delay: 122.529 ms

Loss rate: 2.91%

-- Flow 2:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 116.162 ms

Loss rate: 4.06%

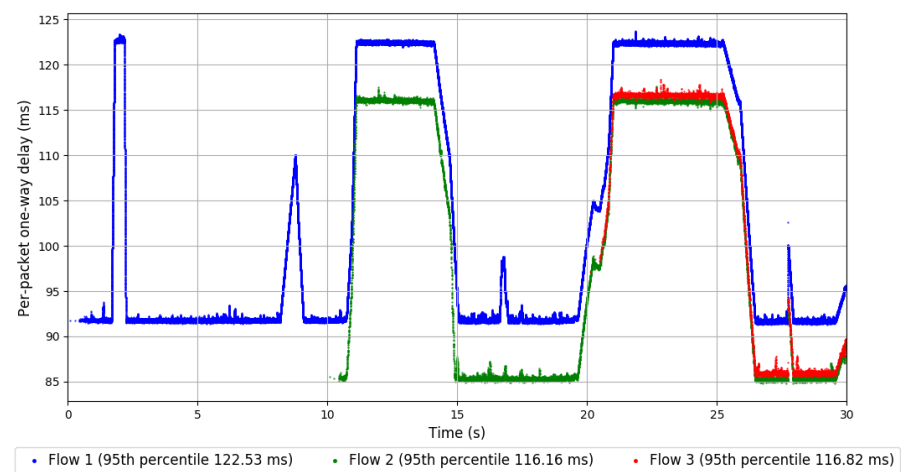
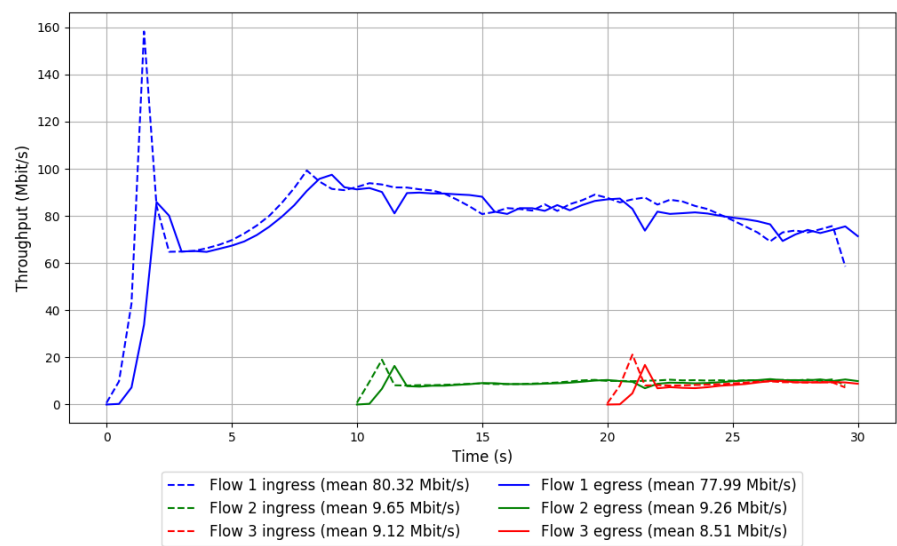
-- Flow 3:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 116.824 ms

Loss rate: 6.77%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 17:25:44

End at: 2018-07-24 17:26:14

Local clock offset: -7.457 ms

Remote clock offset: 8.723 ms

Below is generated by plot.py at 2018-07-24 18:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 118.952 ms

Loss rate: 3.19%

-- Flow 1:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 118.969 ms

Loss rate: 3.05%

-- Flow 2:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 113.120 ms

Loss rate: 4.13%

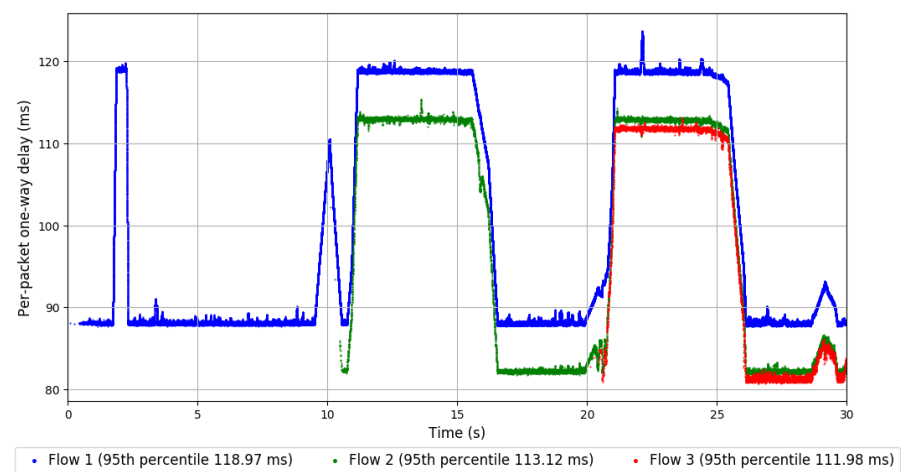
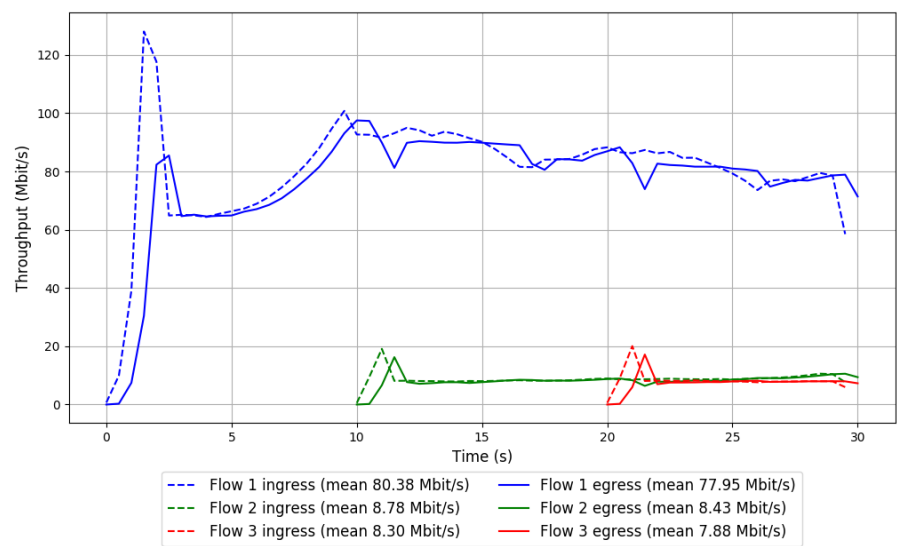
-- Flow 3:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 111.982 ms

Loss rate: 5.10%

Run 9: Report of PCC-Allegro — Data Link

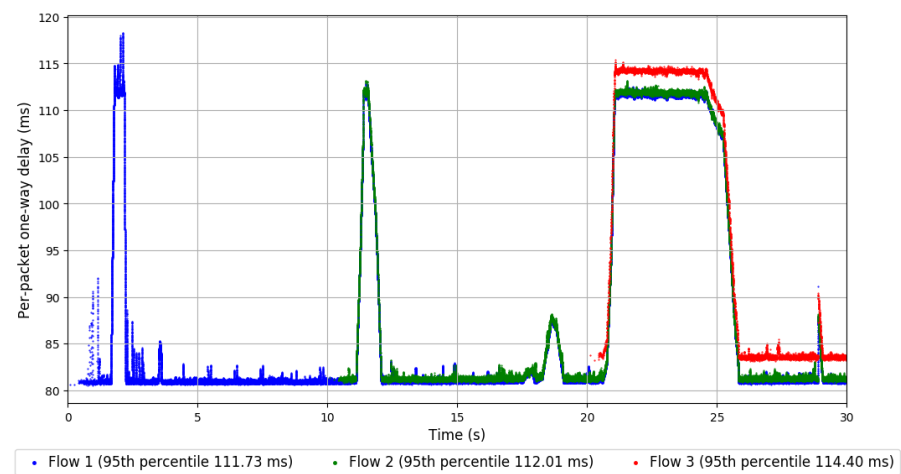
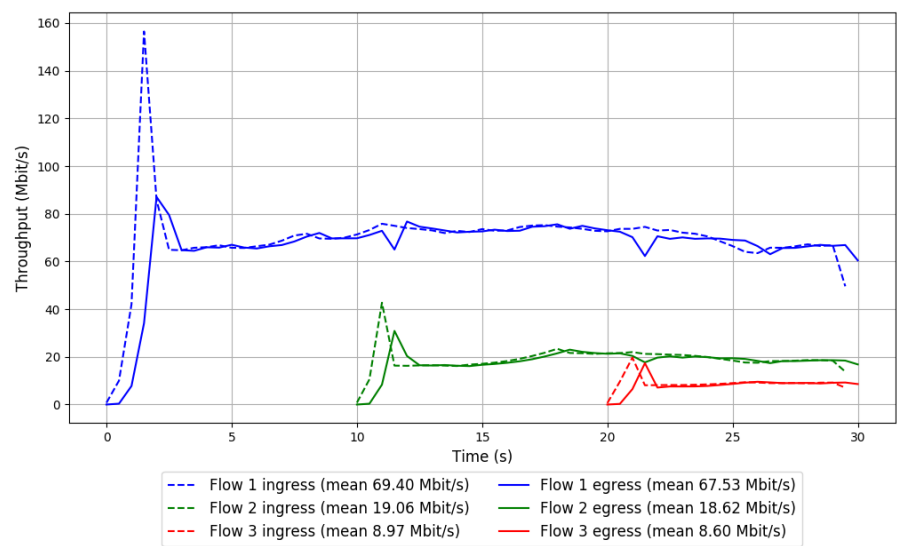


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 17:46:52
End at: 2018-07-24 17:47:22
Local clock offset: -3.316 ms
Remote clock offset: 13.196 ms

Below is generated by plot.py at 2018-07-24 18:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 111.846 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 67.53 Mbit/s
95th percentile per-packet one-way delay: 111.734 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 112.012 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 114.399 ms
Loss rate: 4.22%

Run 10: Report of PCC-Allegro — Data Link

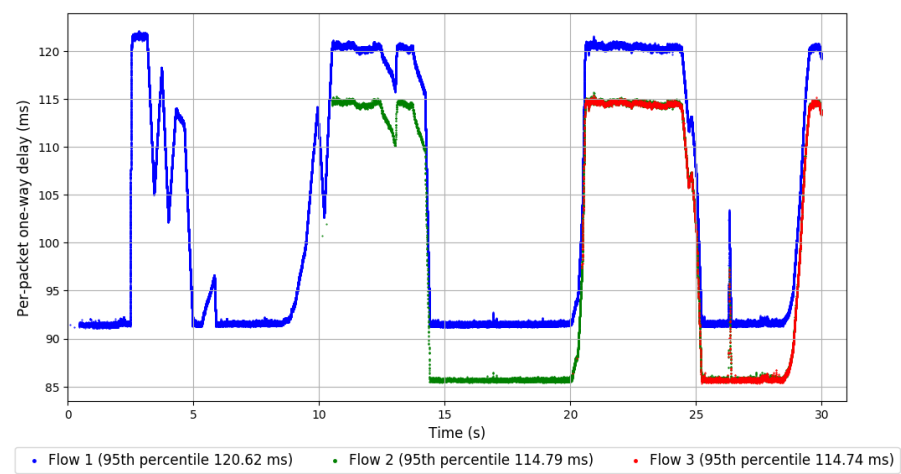
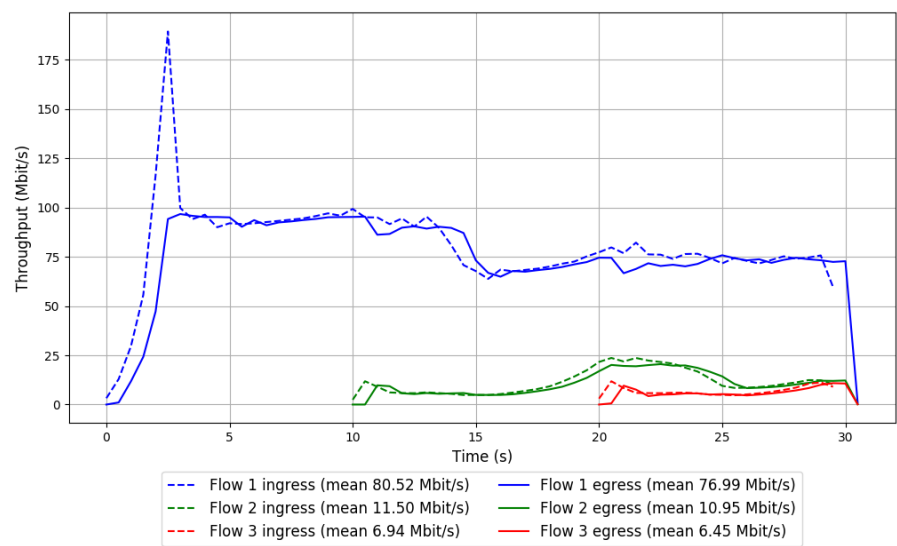


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 14:24:43
End at: 2018-07-24 14:25:13
Local clock offset: -2.02 ms
Remote clock offset: 7.54 ms

# Below is generated by plot.py at 2018-07-24 18:09:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 120.601 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 120.622 ms
Loss rate: 4.31%
-- Flow 2:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 114.792 ms
Loss rate: 4.71%
-- Flow 3:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 114.736 ms
Loss rate: 6.79%
```


Run 1: Report of PCC-Expr — Data Link

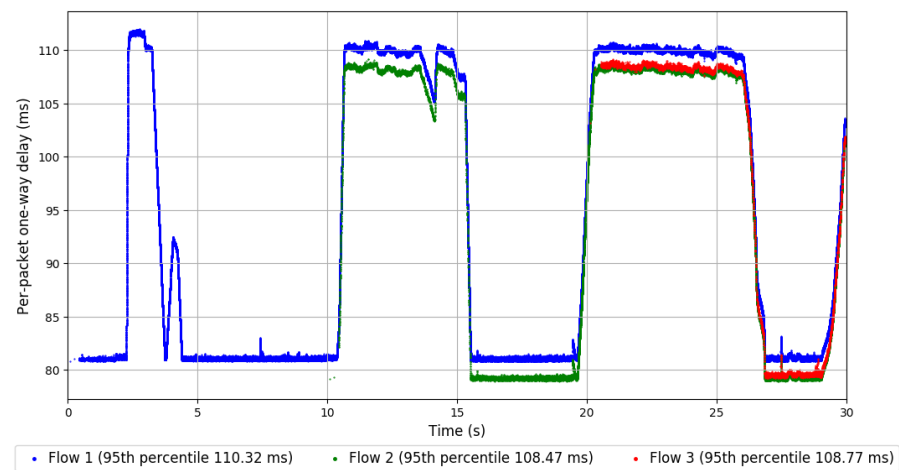
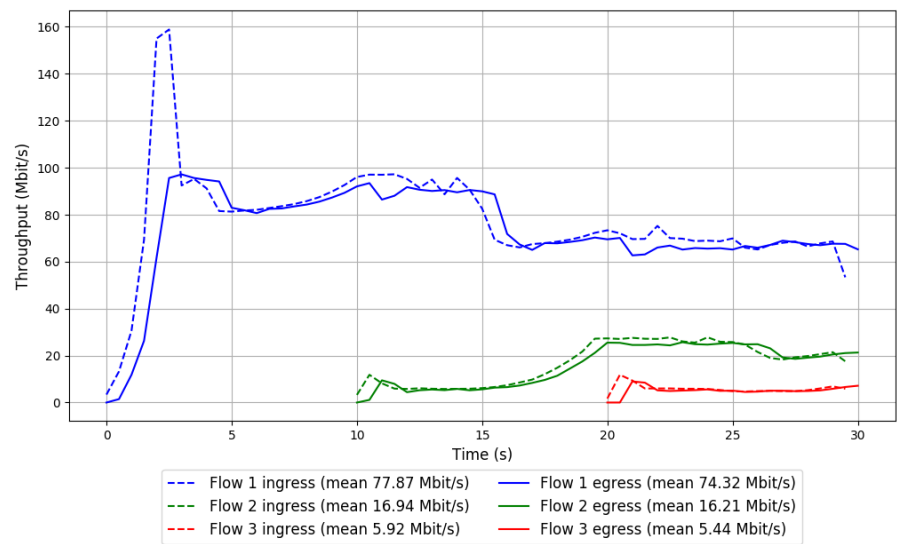


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 14:45:54
End at: 2018-07-24 14:46:24
Local clock offset: -5.772 ms
Remote clock offset: 2.74 ms

# Below is generated by plot.py at 2018-07-24 18:09:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 110.294 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 110.324 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 108.469 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 108.768 ms
Loss rate: 8.16%
```

Run 2: Report of PCC-Expr — Data Link

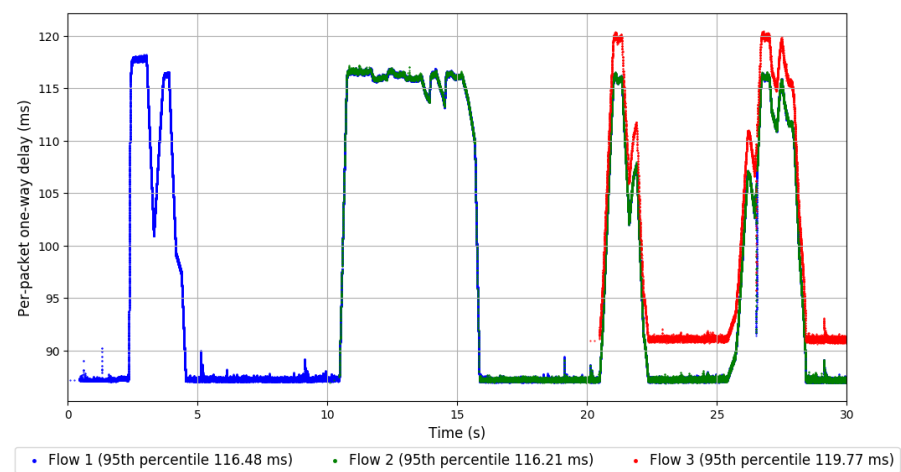
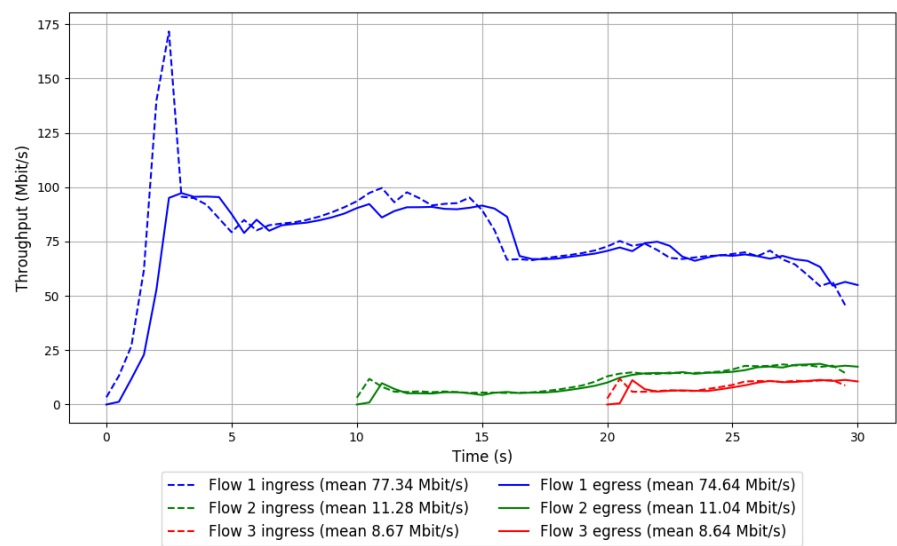


Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 15:07:09
End at: 2018-07-24 15:07:39
Local clock offset: -4.425 ms
Remote clock offset: 13.301 ms

Below is generated by plot.py at 2018-07-24 18:09:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 116.488 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 116.481 ms
Loss rate: 3.50%
-- Flow 2:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 116.211 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 119.766 ms
Loss rate: 0.35%

Run 3: Report of PCC-Expr — Data Link

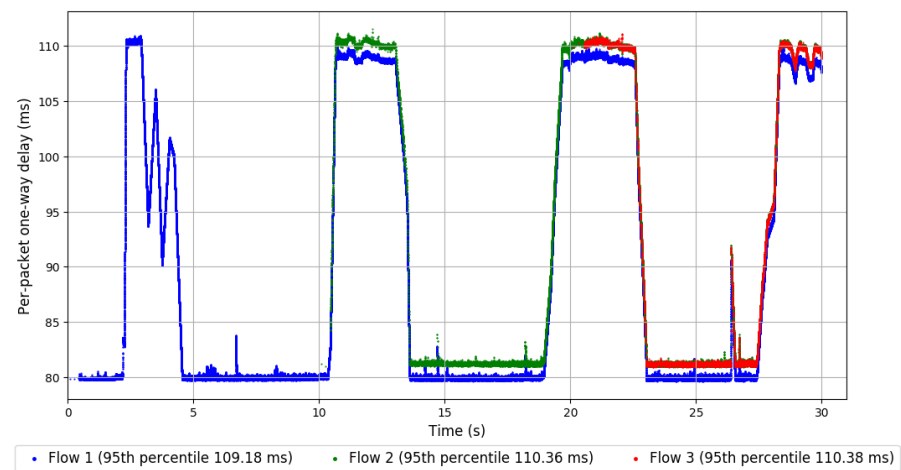
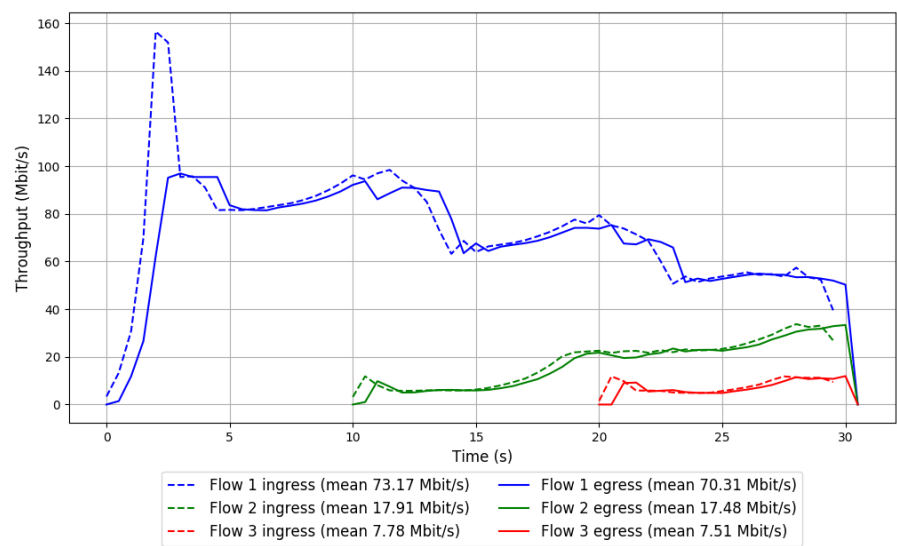


Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 15:28:20
End at: 2018-07-24 15:28:50
Local clock offset: -1.152 ms
Remote clock offset: 14.162 ms

Below is generated by plot.py at 2018-07-24 18:09:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 109.878 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 109.180 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 110.359 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 110.376 ms
Loss rate: 3.41%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 15:49:31

End at: 2018-07-24 15:50:01

Local clock offset: -6.951 ms

Remote clock offset: 5.911 ms

Below is generated by plot.py at 2018-07-24 18:09:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.49 Mbit/s

95th percentile per-packet one-way delay: 111.509 ms

Loss rate: 4.00%

-- Flow 1:

Average throughput: 69.43 Mbit/s

95th percentile per-packet one-way delay: 111.546 ms

Loss rate: 4.15%

-- Flow 2:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 109.649 ms

Loss rate: 3.05%

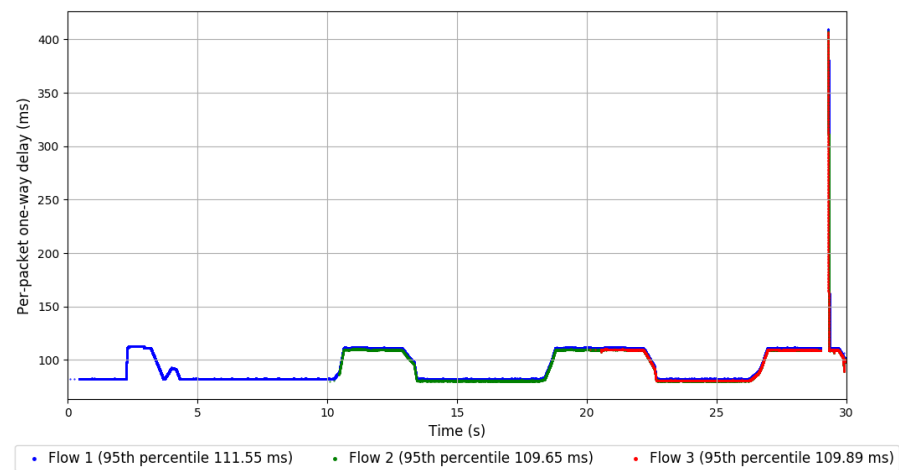
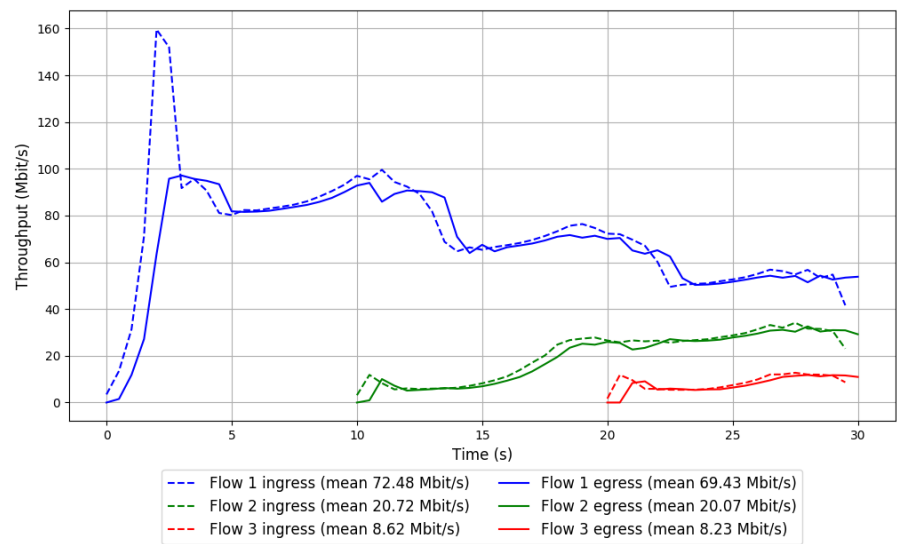
-- Flow 3:

Average throughput: 8.23 Mbit/s

95th percentile per-packet one-way delay: 109.890 ms

Loss rate: 4.57%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 16:10:43

End at: 2018-07-24 16:11:13

Local clock offset: -7.214 ms

Remote clock offset: 7.06 ms

Below is generated by plot.py at 2018-07-24 18:09:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 115.458 ms

Loss rate: 3.28%

-- Flow 1:

Average throughput: 78.53 Mbit/s

95th percentile per-packet one-way delay: 115.501 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 113.667 ms

Loss rate: 3.32%

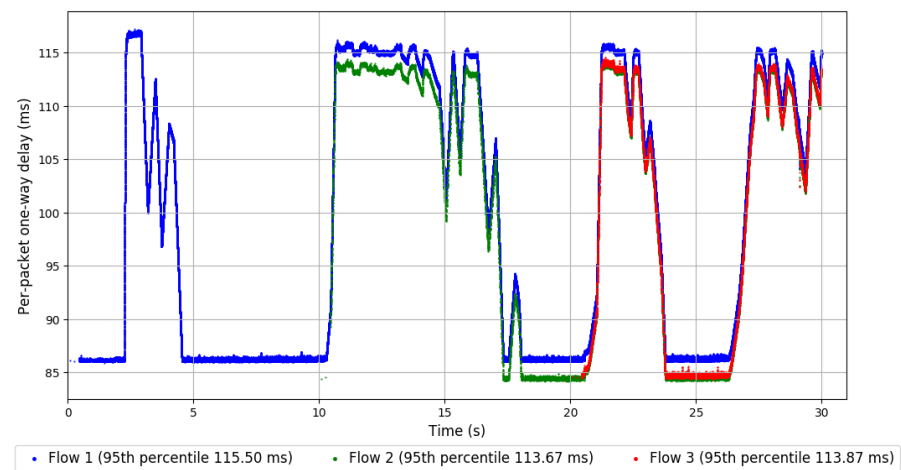
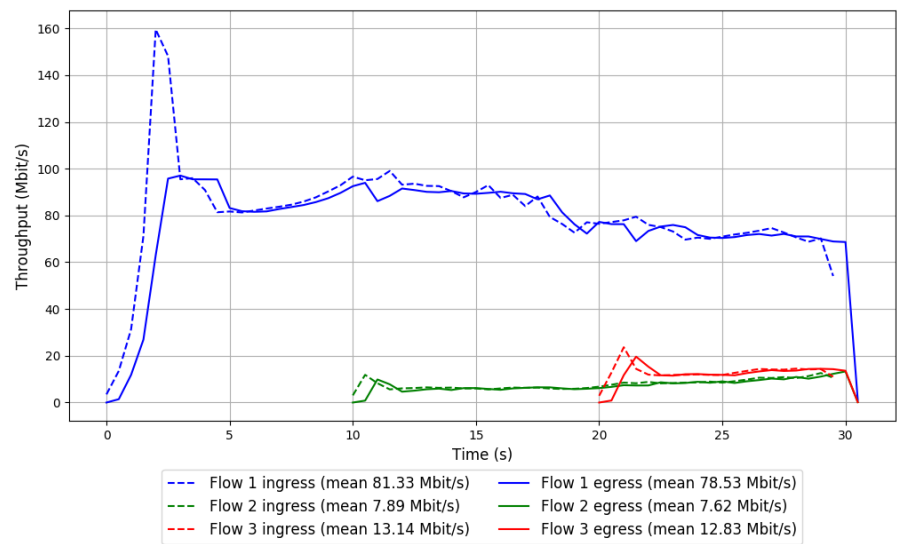
-- Flow 3:

Average throughput: 12.83 Mbit/s

95th percentile per-packet one-way delay: 113.868 ms

Loss rate: 2.02%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 16:31:57

End at: 2018-07-24 16:32:27

Local clock offset: -7.021 ms

Remote clock offset: 6.304 ms

Below is generated by plot.py at 2018-07-24 18:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 121.165 ms

Loss rate: 3.12%

-- Flow 1:

Average throughput: 72.43 Mbit/s

95th percentile per-packet one-way delay: 121.204 ms

Loss rate: 3.47%

-- Flow 2:

Average throughput: 18.60 Mbit/s

95th percentile per-packet one-way delay: 113.726 ms

Loss rate: 1.21%

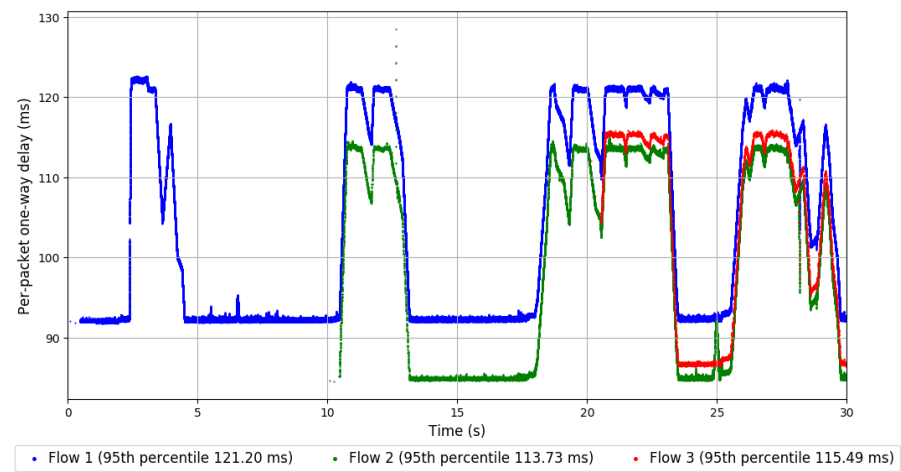
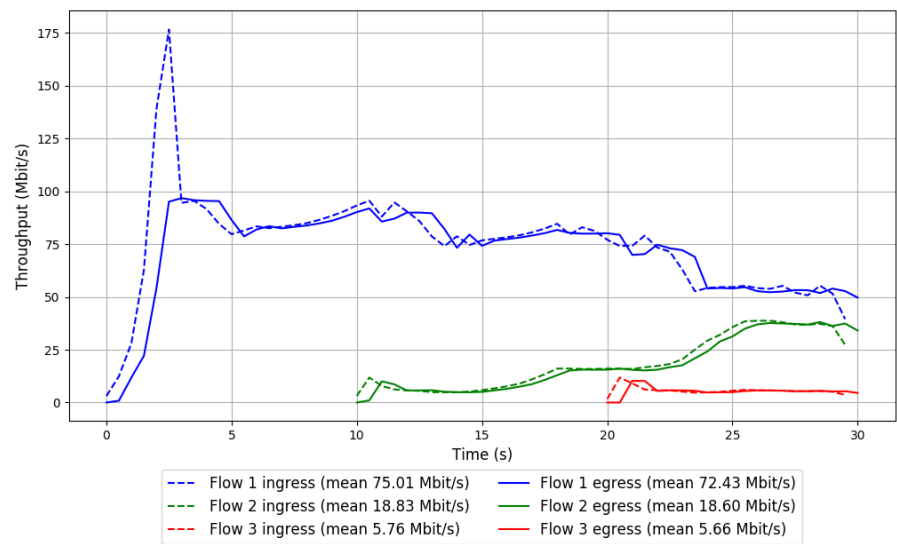
-- Flow 3:

Average throughput: 5.66 Mbit/s

95th percentile per-packet one-way delay: 115.492 ms

Loss rate: 2.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 16:53:19

End at: 2018-07-24 16:53:49

Local clock offset: -2.941 ms

Remote clock offset: 7.391 ms

Below is generated by plot.py at 2018-07-24 18:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 115.963 ms

Loss rate: 3.34%

-- Flow 1:

Average throughput: 73.40 Mbit/s

95th percentile per-packet one-way delay: 116.000 ms

Loss rate: 3.50%

-- Flow 2:

Average throughput: 15.03 Mbit/s

95th percentile per-packet one-way delay: 113.651 ms

Loss rate: 2.11%

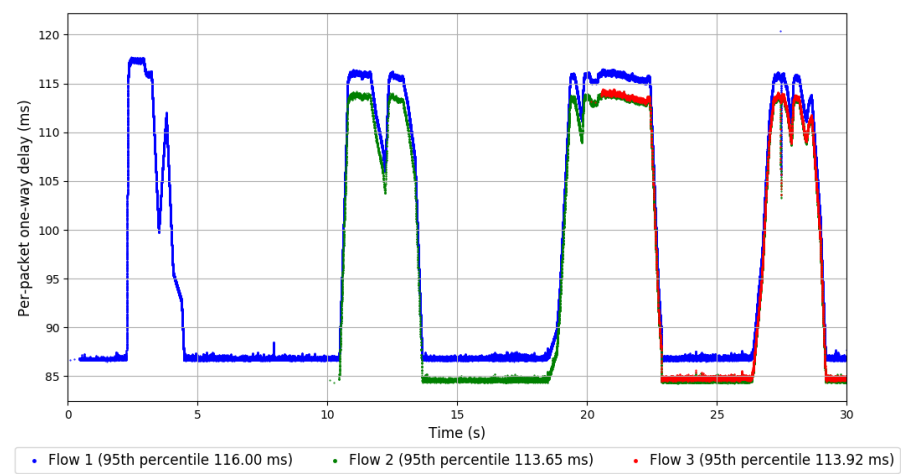
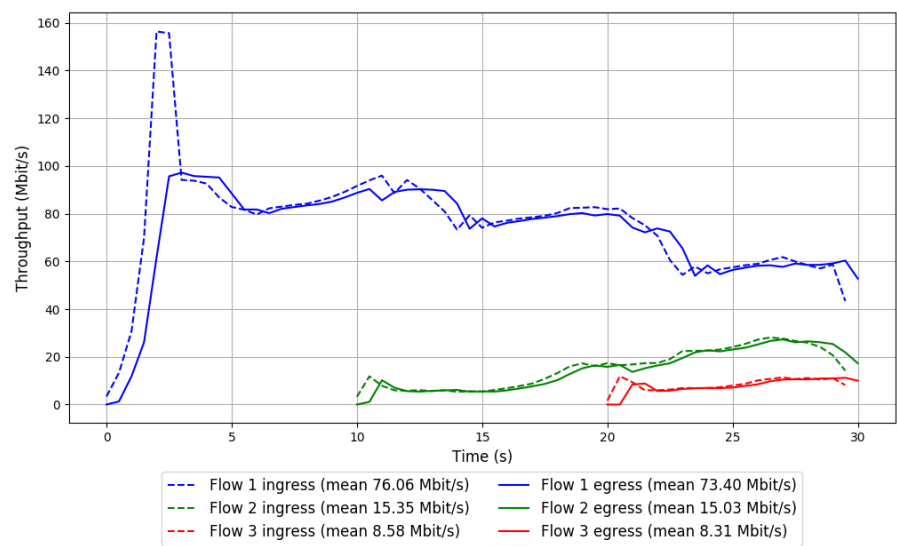
-- Flow 3:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 113.924 ms

Loss rate: 3.40%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 17:14:30

End at: 2018-07-24 17:15:00

Local clock offset: -6.399 ms

Remote clock offset: 8.017 ms

Below is generated by plot.py at 2018-07-24 18:11:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 285.046 ms

Loss rate: 4.45%

-- Flow 1:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 114.930 ms

Loss rate: 4.82%

-- Flow 2:

Average throughput: 16.60 Mbit/s

95th percentile per-packet one-way delay: 1095.478 ms

Loss rate: 2.39%

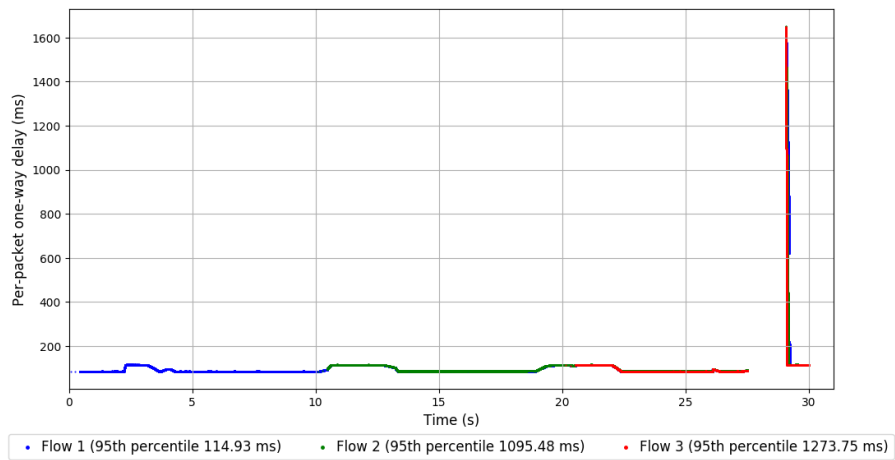
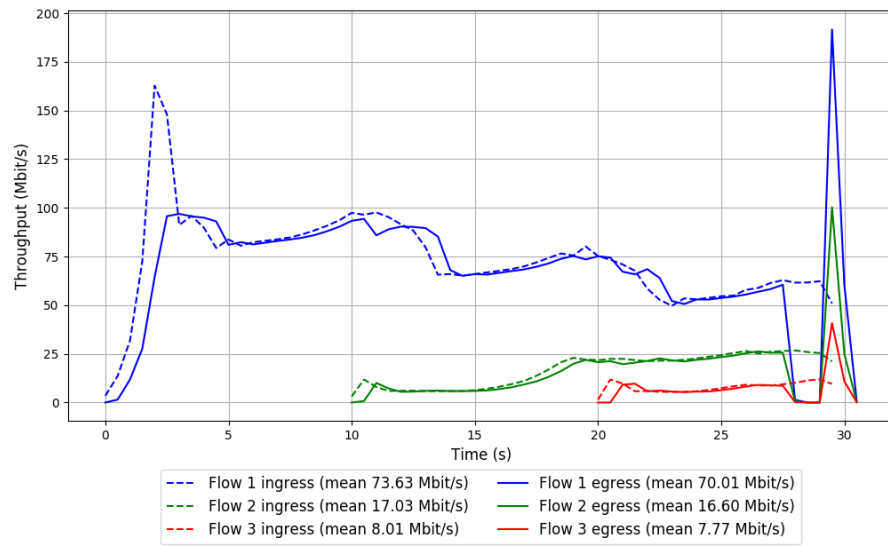
-- Flow 3:

Average throughput: 7.77 Mbit/s

95th percentile per-packet one-way delay: 1273.747 ms

Loss rate: 3.06%

Run 9: Report of PCC-Expr — Data Link

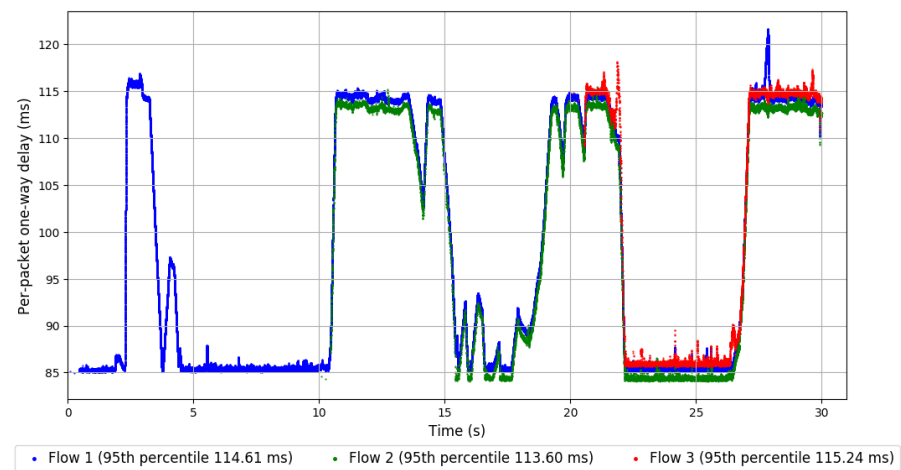
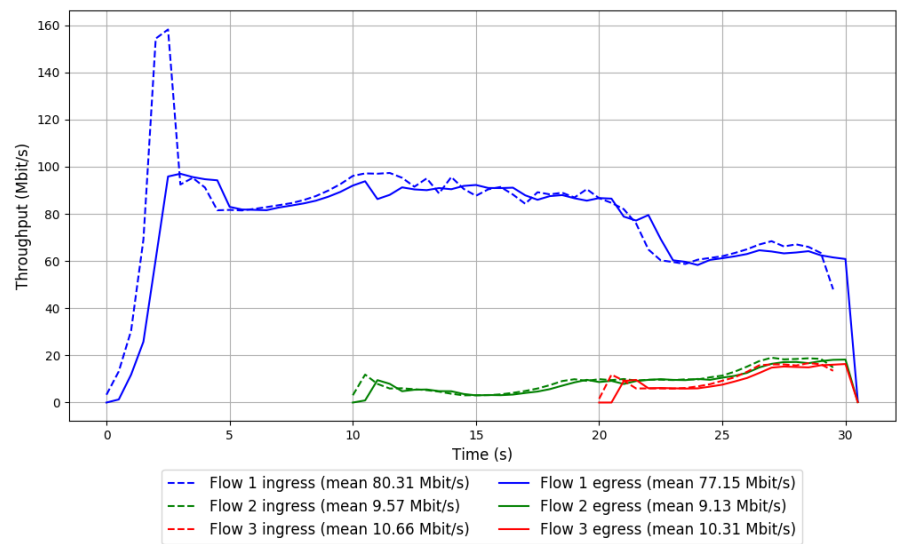


Run 10: Statistics of PCC-Expr

Start at: 2018-07-24 17:35:40
End at: 2018-07-24 17:36:10
Local clock offset: -5.849 ms
Remote clock offset: 14.205 ms

Below is generated by plot.py at 2018-07-24 18:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 114.676 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 114.614 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 113.599 ms
Loss rate: 4.41%
-- Flow 3:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 115.243 ms
Loss rate: 3.34%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 14:40:54

End at: 2018-07-24 14:41:24

Local clock offset: -4.919 ms

Remote clock offset: 3.693 ms

Below is generated by plot.py at 2018-07-24 18:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.89 Mbit/s

95th percentile per-packet one-way delay: 106.978 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 45.70 Mbit/s

95th percentile per-packet one-way delay: 107.218 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 105.112 ms

Loss rate: 0.37%

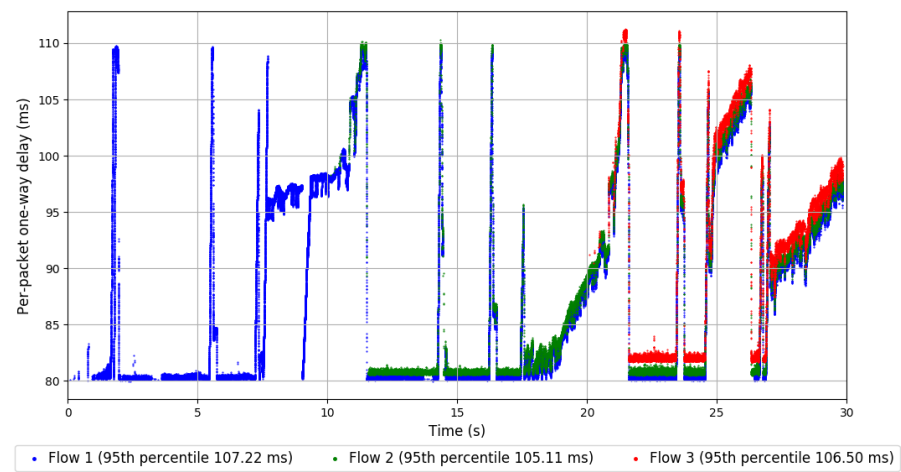
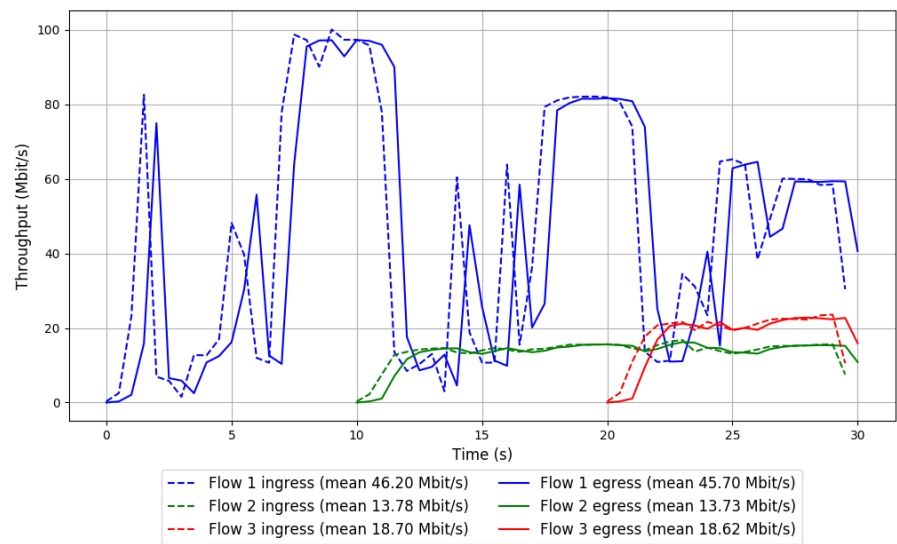
-- Flow 3:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 106.497 ms

Loss rate: 0.40%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 15:02:07

End at: 2018-07-24 15:02:37

Local clock offset: -6.808 ms

Remote clock offset: 8.487 ms

Below is generated by plot.py at 2018-07-24 18:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.30 Mbit/s

95th percentile per-packet one-way delay: 113.486 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 52.31 Mbit/s

95th percentile per-packet one-way delay: 112.782 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 14.21 Mbit/s

95th percentile per-packet one-way delay: 111.348 ms

Loss rate: 0.43%

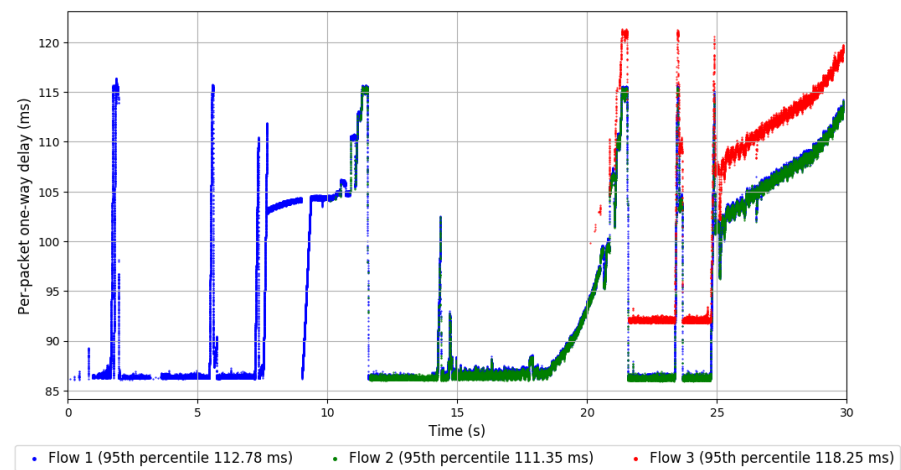
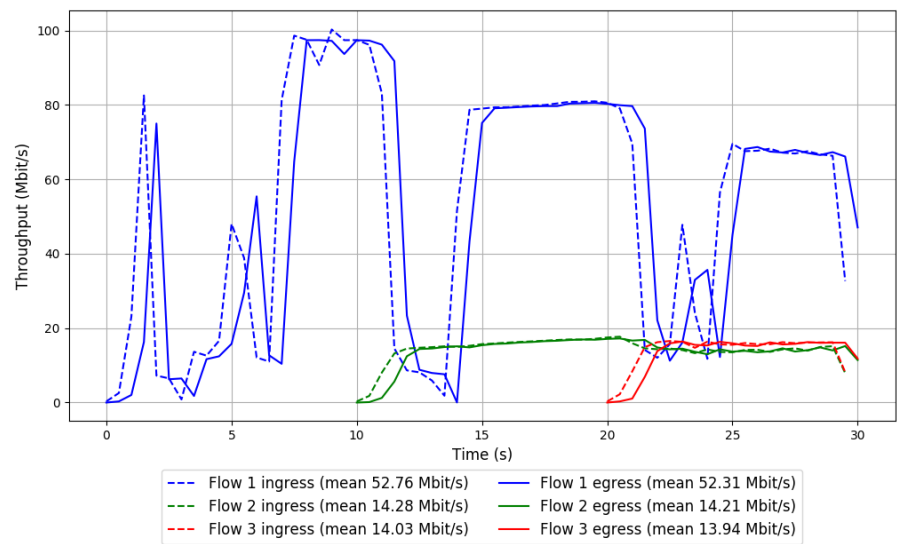
-- Flow 3:

Average throughput: 13.94 Mbit/s

95th percentile per-packet one-way delay: 118.254 ms

Loss rate: 0.51%

Run 2: Report of QUIC Cubic — Data Link

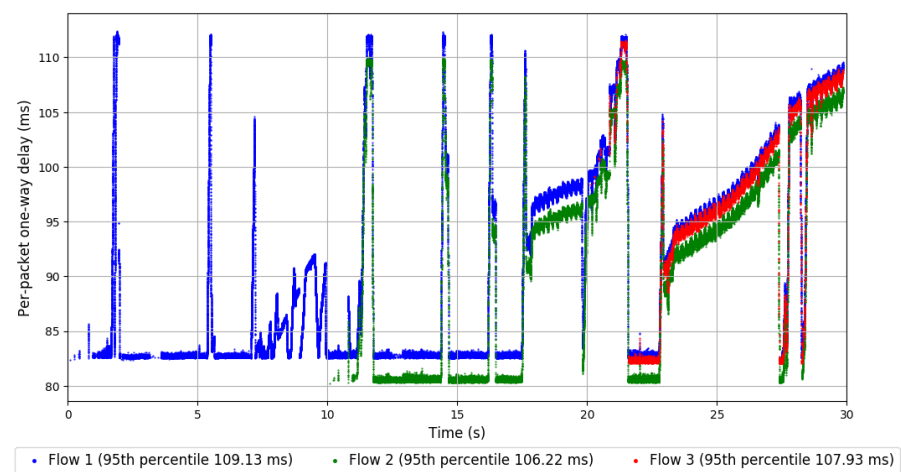
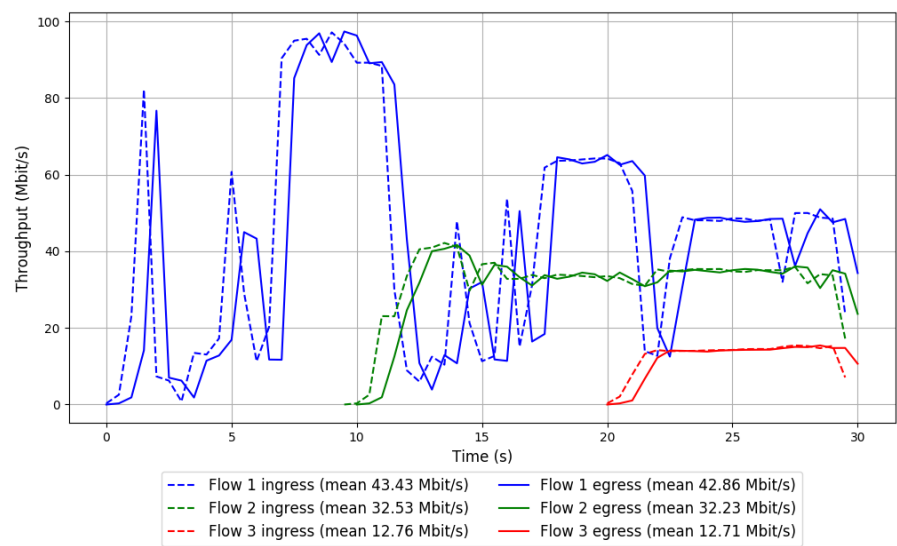


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-24 15:23:21
End at: 2018-07-24 15:23:51
Local clock offset: -1.52 ms
Remote clock offset: 14.229 ms

Below is generated by plot.py at 2018-07-24 18:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 108.294 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 109.134 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 106.224 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 107.933 ms
Loss rate: 0.31%

Run 3: Report of QUIC Cubic — Data Link

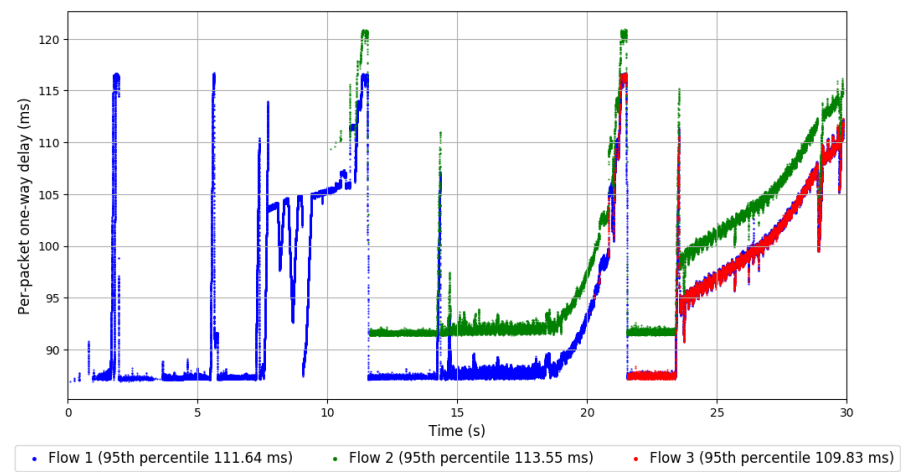
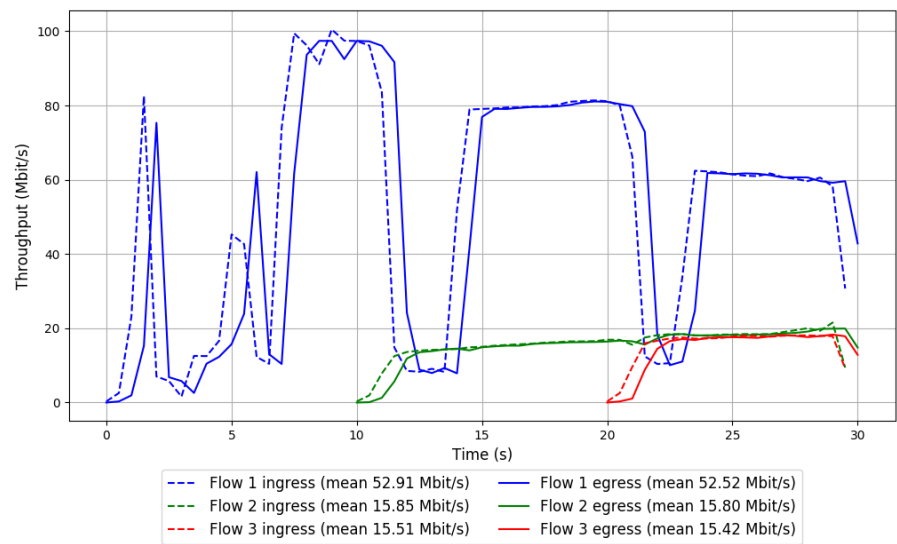


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 15:44:32
End at: 2018-07-24 15:45:02
Local clock offset: -6.162 ms
Remote clock offset: 13.148 ms

Below is generated by plot.py at 2018-07-24 18:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 112.410 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 111.640 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 113.550 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 109.829 ms
Loss rate: 0.37%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 16:05:45

End at: 2018-07-24 16:06:15

Local clock offset: -7.568 ms

Remote clock offset: 7.366 ms

Below is generated by plot.py at 2018-07-24 18:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 108.738 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 46.10 Mbit/s

95th percentile per-packet one-way delay: 108.809 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 14.06 Mbit/s

95th percentile per-packet one-way delay: 107.756 ms

Loss rate: 0.98%

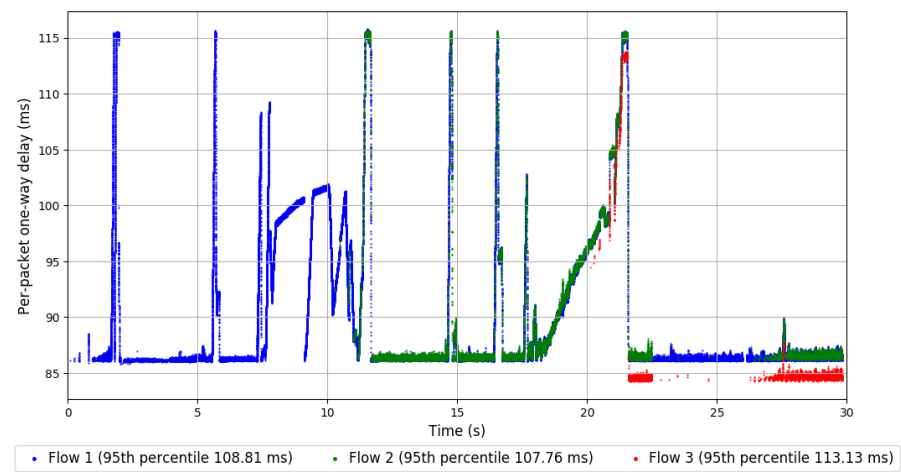
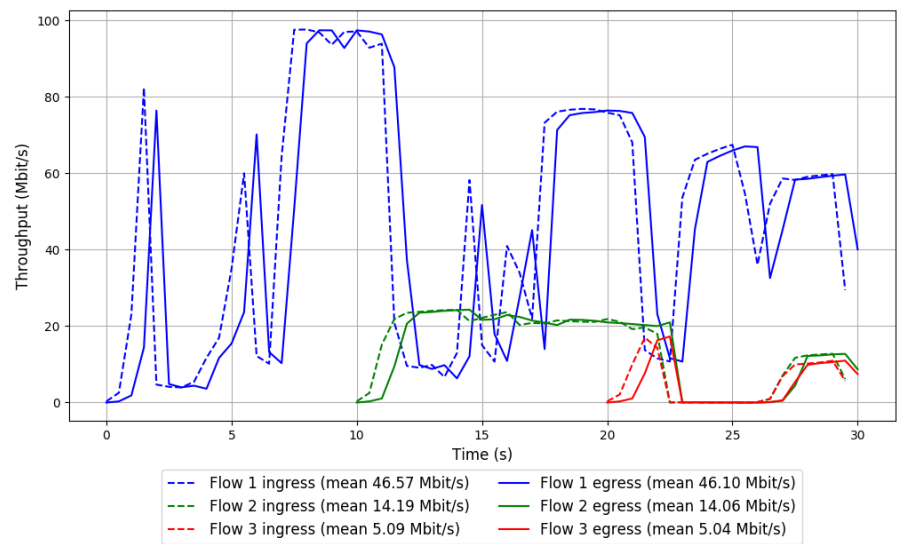
-- Flow 3:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 113.134 ms

Loss rate: 1.10%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 16:26:58

End at: 2018-07-24 16:27:28

Local clock offset: -7.118 ms

Remote clock offset: 1.367 ms

Below is generated by plot.py at 2018-07-24 18:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 105.947 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 49.28 Mbit/s

95th percentile per-packet one-way delay: 107.676 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 18.05 Mbit/s

95th percentile per-packet one-way delay: 95.270 ms

Loss rate: 0.32%

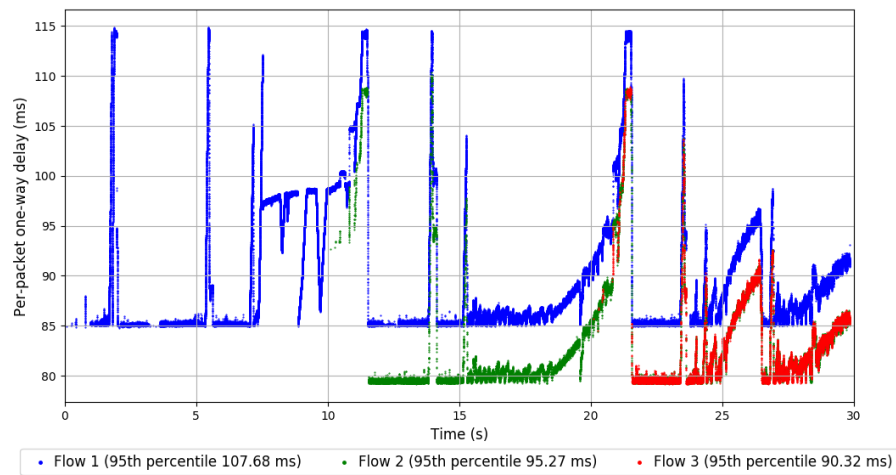
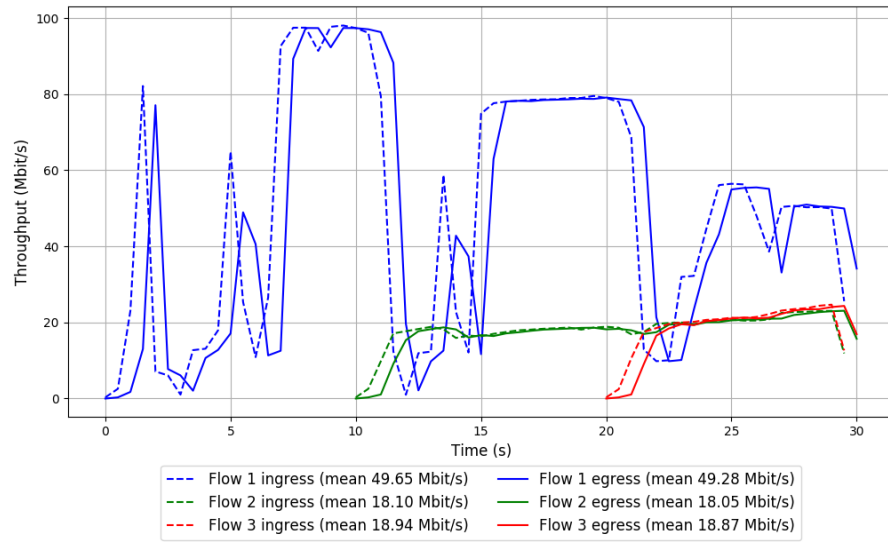
-- Flow 3:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 90.324 ms

Loss rate: 0.34%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 16:48:11

End at: 2018-07-24 16:48:41

Local clock offset: -3.431 ms

Remote clock offset: 5.485 ms

Below is generated by plot.py at 2018-07-24 18:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.41 Mbit/s

95th percentile per-packet one-way delay: 109.706 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 110.303 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 15.31 Mbit/s

95th percentile per-packet one-way delay: 103.978 ms

Loss rate: 0.39%

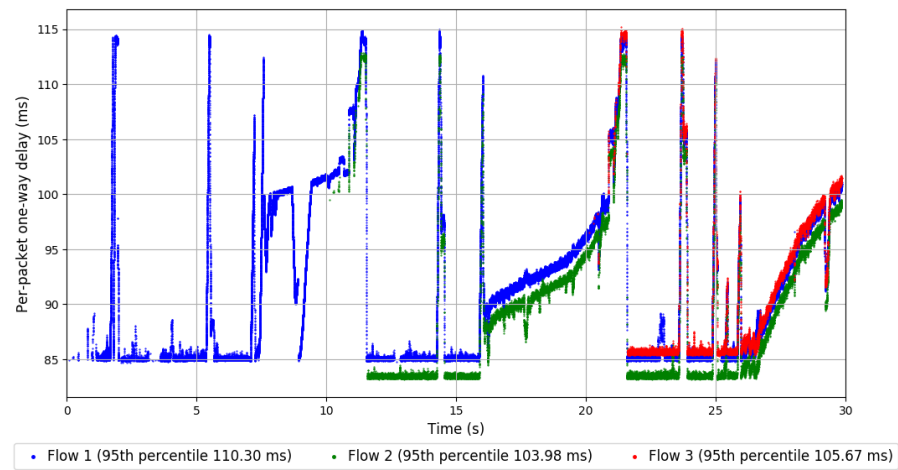
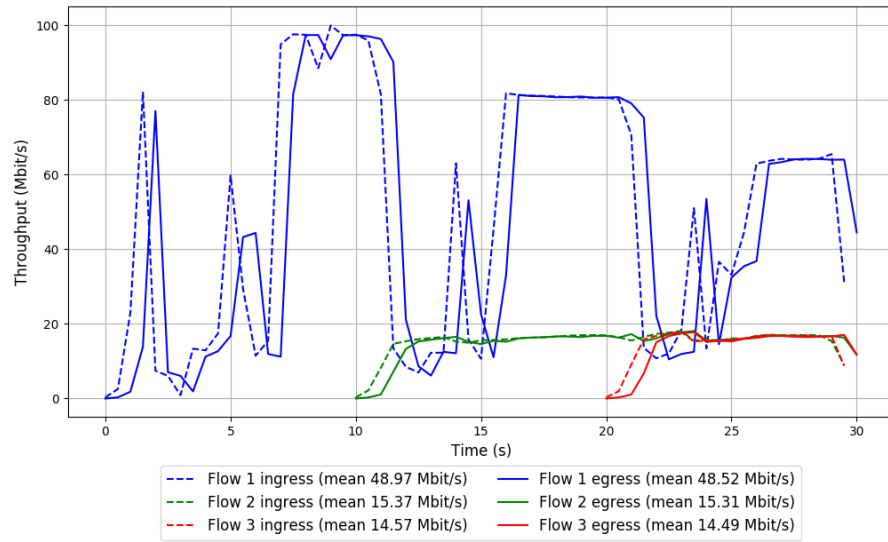
-- Flow 3:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 105.675 ms

Loss rate: 0.53%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 17:09:31

End at: 2018-07-24 17:10:01

Local clock offset: -5.378 ms

Remote clock offset: 4.09 ms

Below is generated by plot.py at 2018-07-24 18:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.12 Mbit/s

95th percentile per-packet one-way delay: 104.336 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 13.43 Mbit/s

95th percentile per-packet one-way delay: 81.836 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 108.396 ms

Loss rate: 2.38%

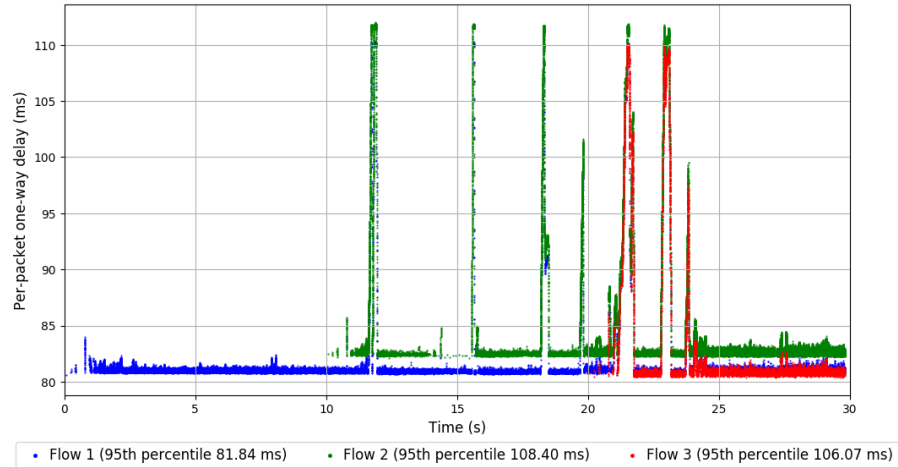
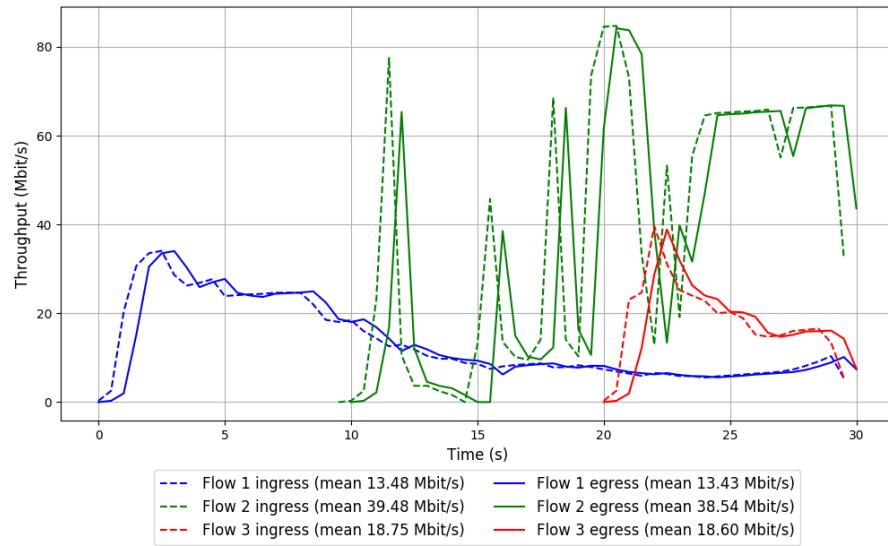
-- Flow 3:

Average throughput: 18.60 Mbit/s

95th percentile per-packet one-way delay: 106.073 ms

Loss rate: 0.79%

Run 8: Report of QUIC Cubic — Data Link

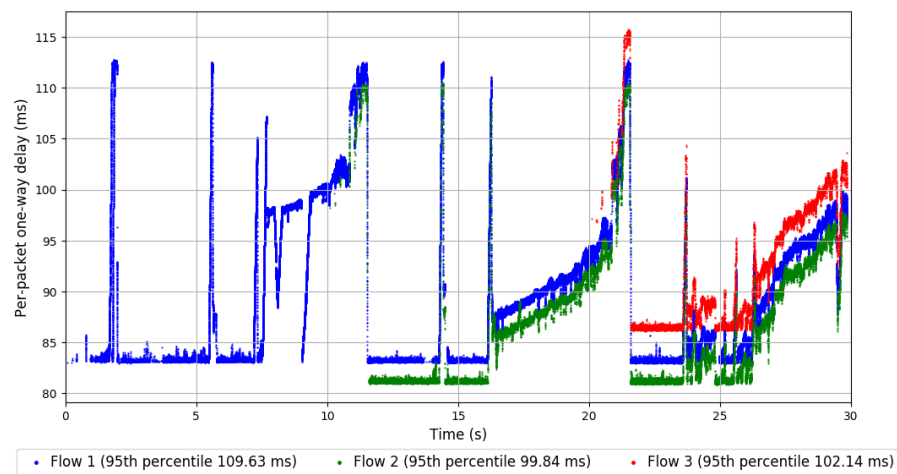
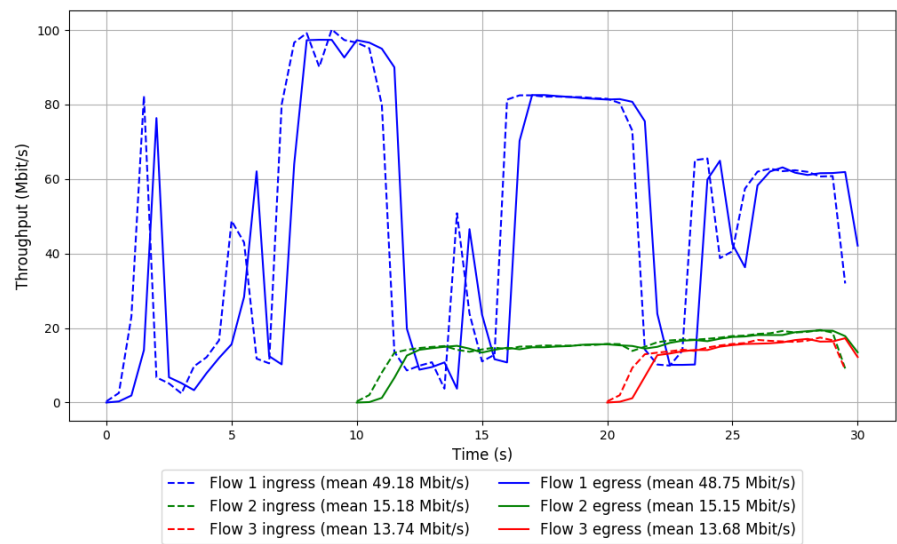


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 17:30:41
End at: 2018-07-24 17:31:11
Local clock offset: -7.662 ms
Remote clock offset: 10.247 ms

Below is generated by plot.py at 2018-07-24 18:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 108.768 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 109.626 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 99.842 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 102.144 ms
Loss rate: 0.36%

Run 9: Report of QUIC Cubic — Data Link

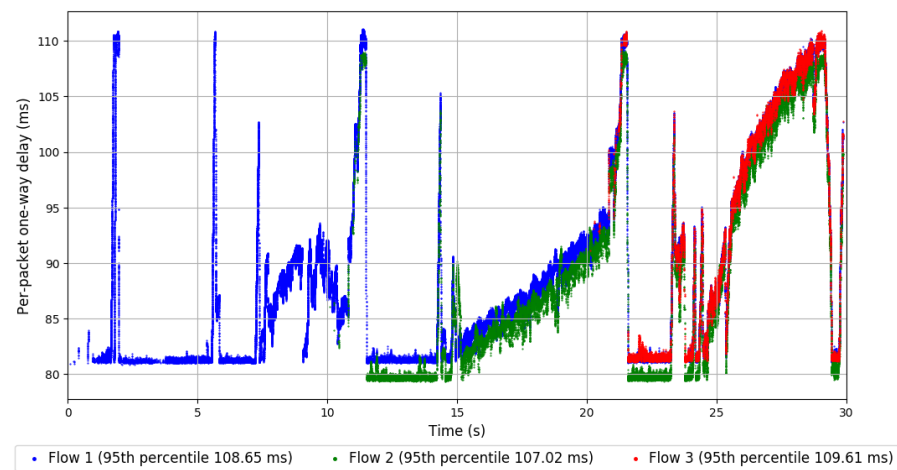
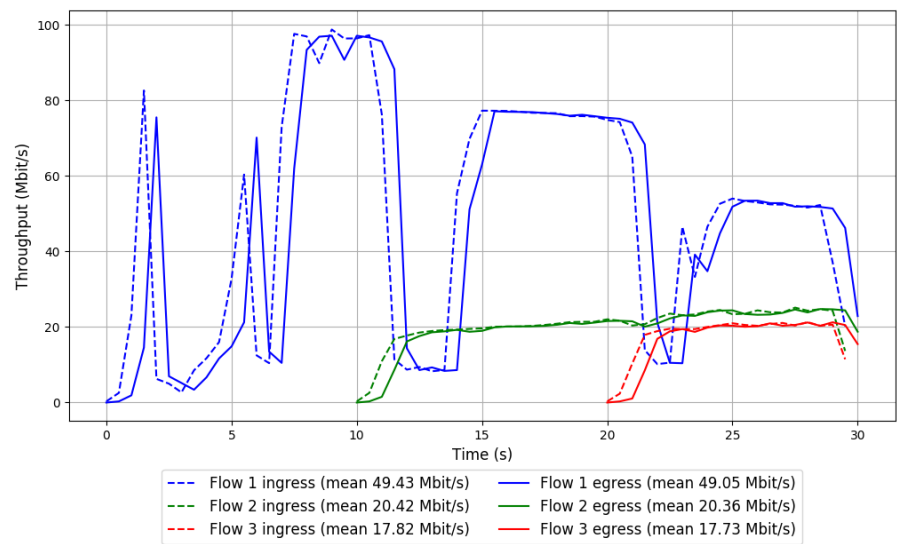


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 17:51:50
End at: 2018-07-24 17:52:20
Local clock offset: -2.766 ms
Remote clock offset: 12.587 ms

Below is generated by plot.py at 2018-07-24 18:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 108.333 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 108.646 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 107.016 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 109.606 ms
Loss rate: 0.39%

Run 10: Report of QUIC Cubic — Data Link

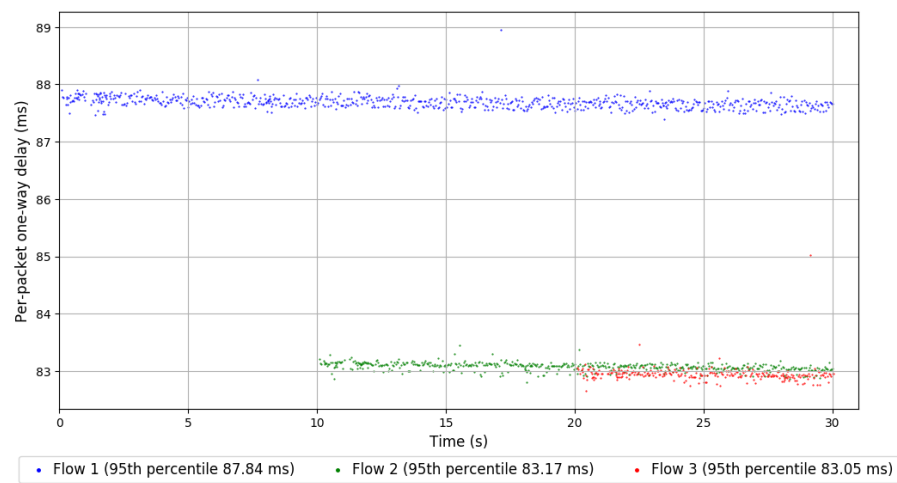
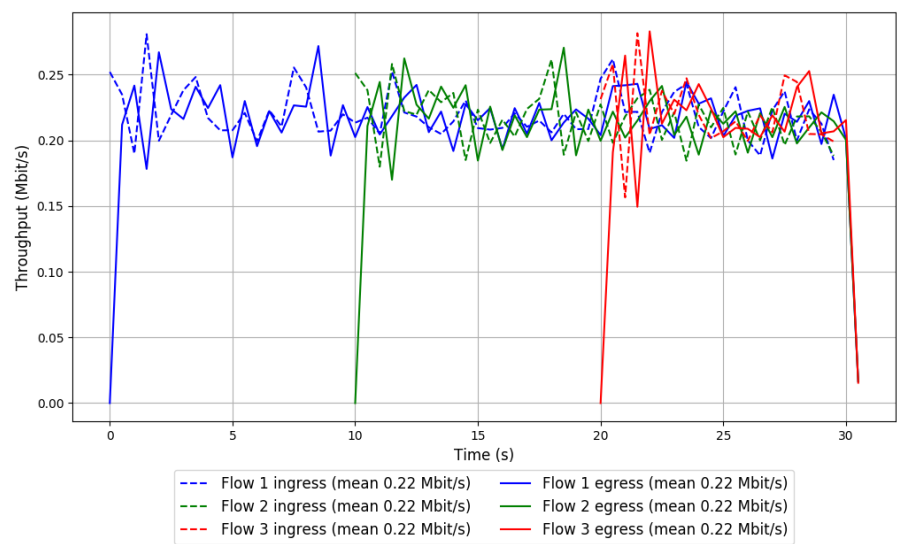


```
Run 1: Statistics of SReAM

Start at: 2018-07-24 14:38:28
End at: 2018-07-24 14:38:58
Local clock offset: -4.378 ms
Remote clock offset: 3.588 ms

# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.054 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-07-24 14:59:40

End at: 2018-07-24 15:00:10

Local clock offset: -6.898 ms

Remote clock offset: 7.778 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.545 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.575 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.264 ms

Loss rate: 0.00%

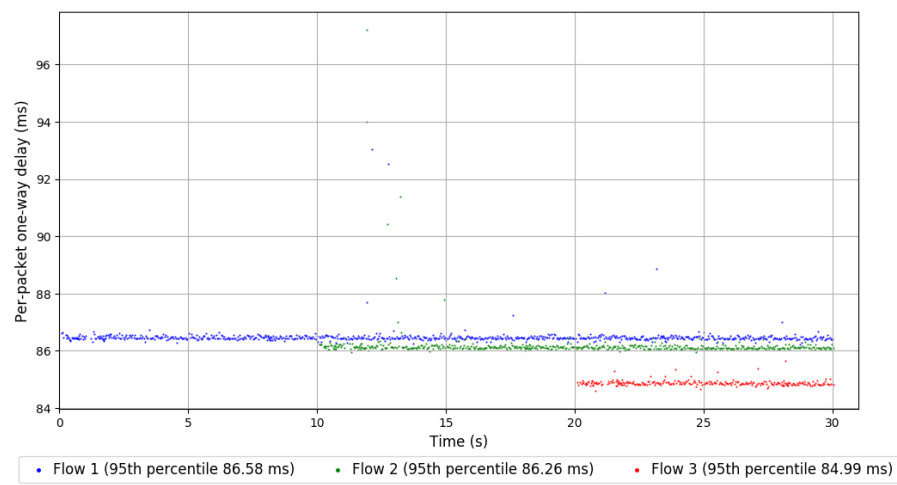
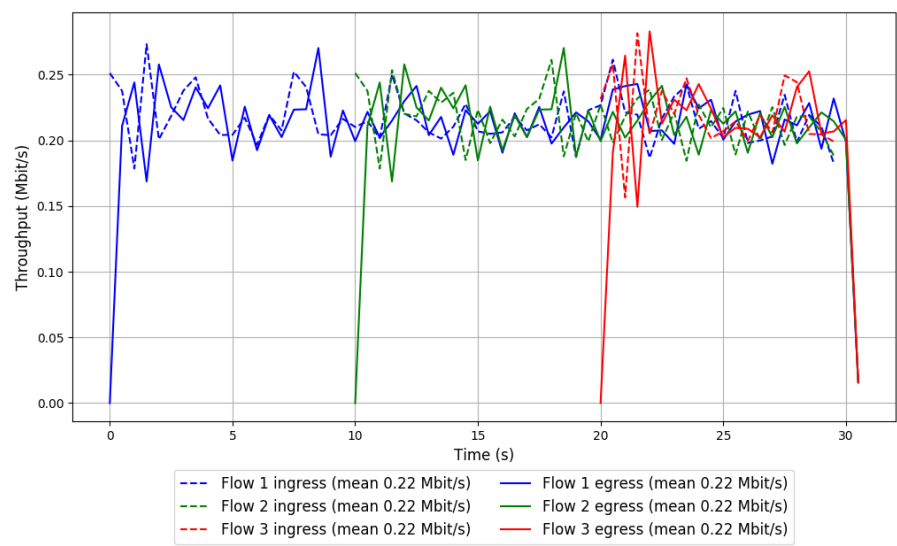
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.988 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

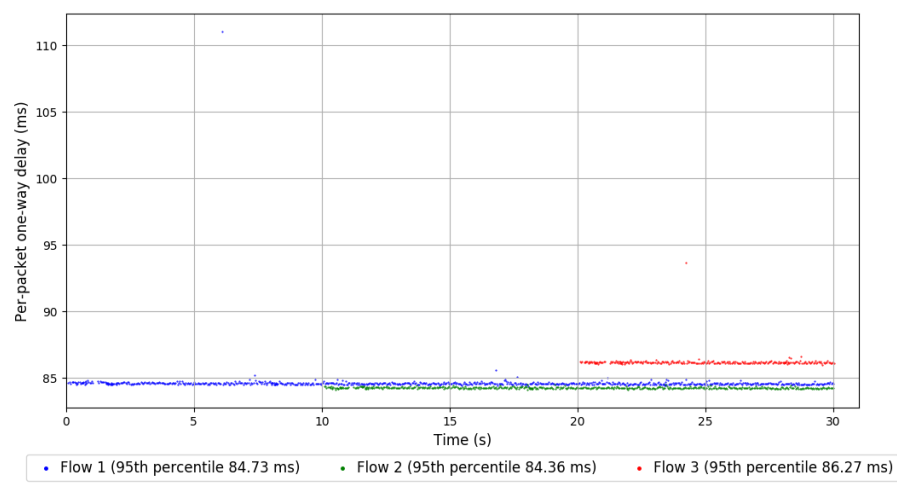
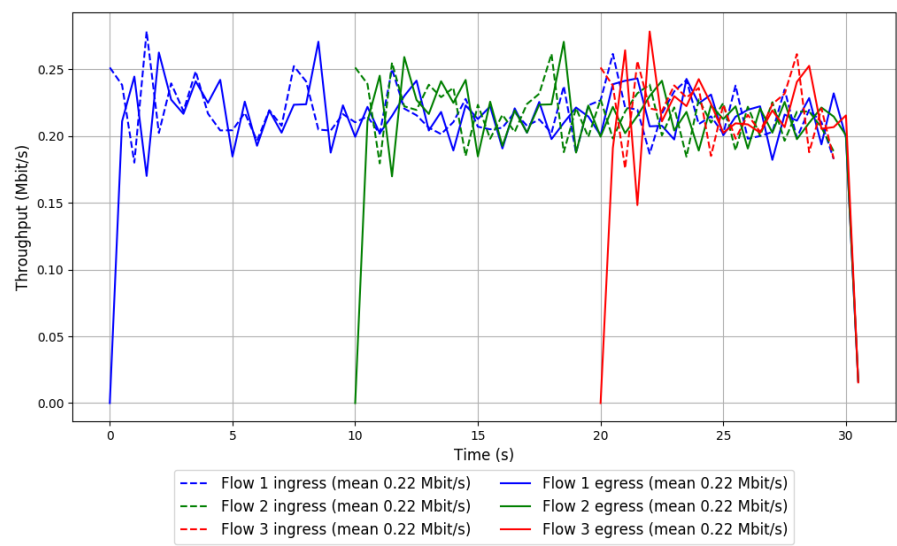


Run 3: Statistics of SReAM

Start at: 2018-07-24 15:20:55
End at: 2018-07-24 15:21:25
Local clock offset: -1.754 ms
Remote clock offset: 17.519 ms

Below is generated by plot.py at 2018-07-24 18:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.734 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.274 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-24 15:42:06

End at: 2018-07-24 15:42:36

Local clock offset: -5.633 ms

Remote clock offset: 13.66 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.833 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.566 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.436 ms

Loss rate: 0.00%

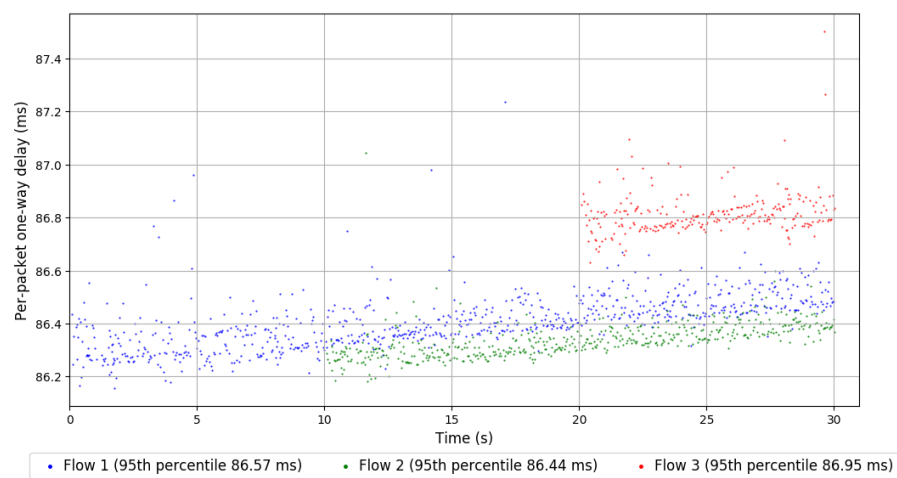
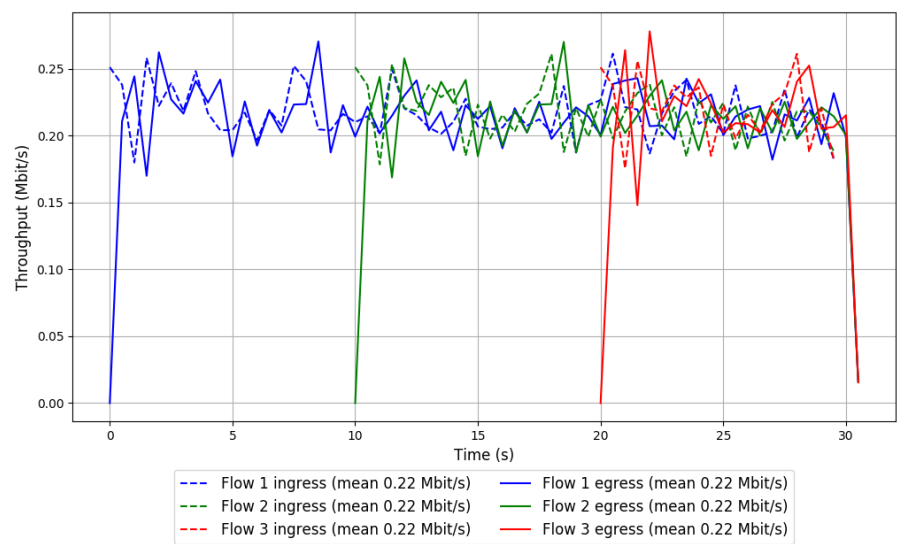
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.949 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-24 16:03:19

End at: 2018-07-24 16:03:49

Local clock offset: -7.83 ms

Remote clock offset: 3.915 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 83.725 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.780 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.206 ms

Loss rate: 0.00%

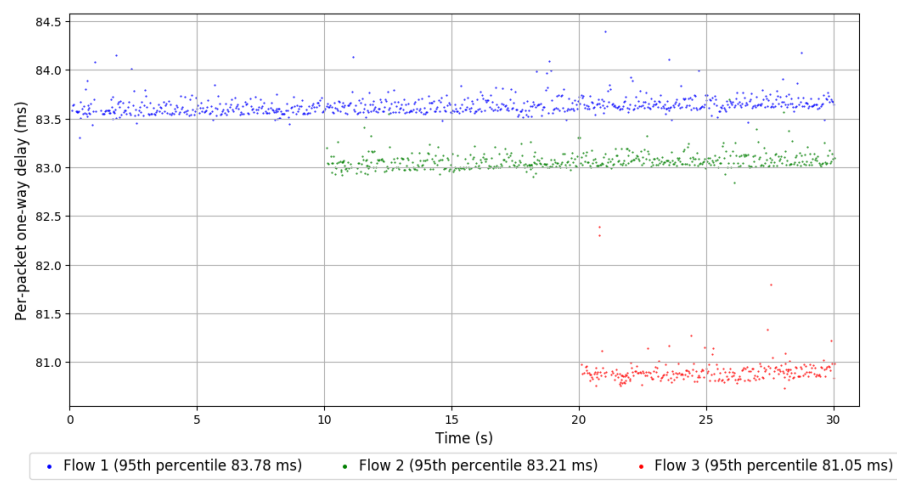
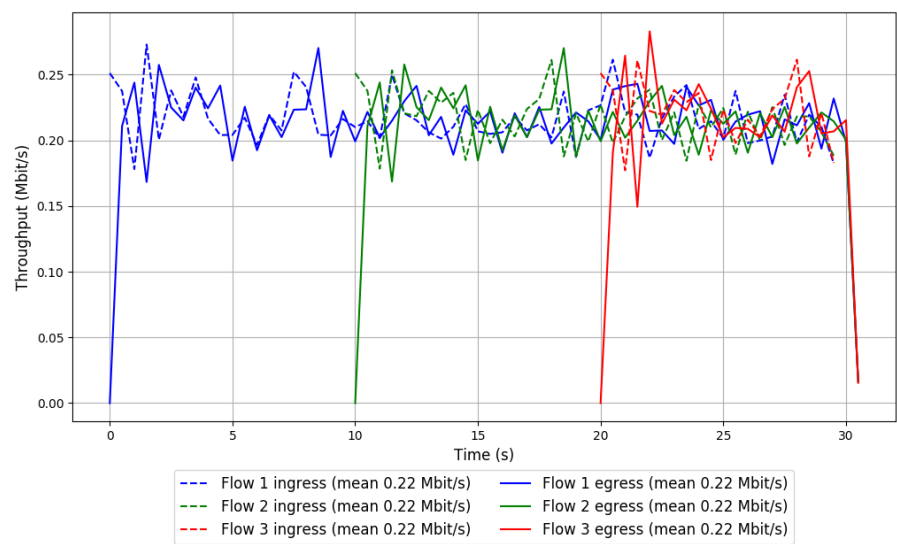
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.048 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-24 16:24:32

End at: 2018-07-24 16:25:02

Local clock offset: -7.096 ms

Remote clock offset: 6.522 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 90.587 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 90.662 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.957 ms

Loss rate: 0.00%

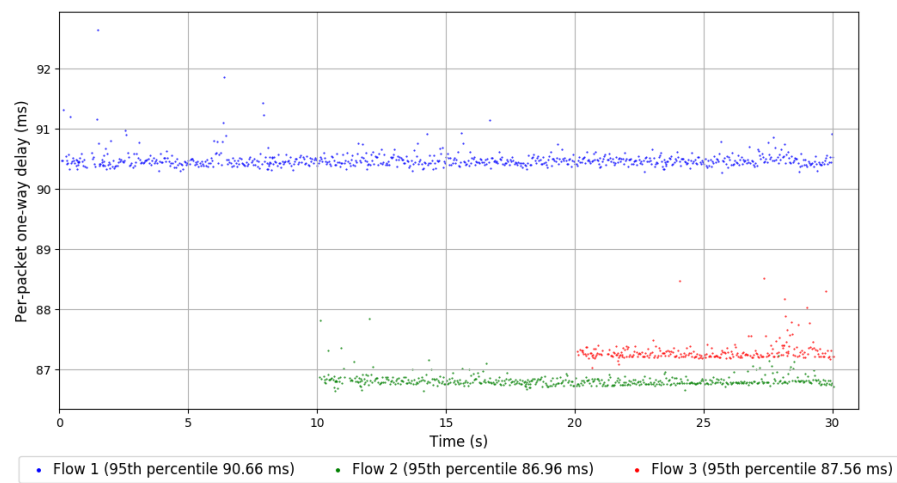
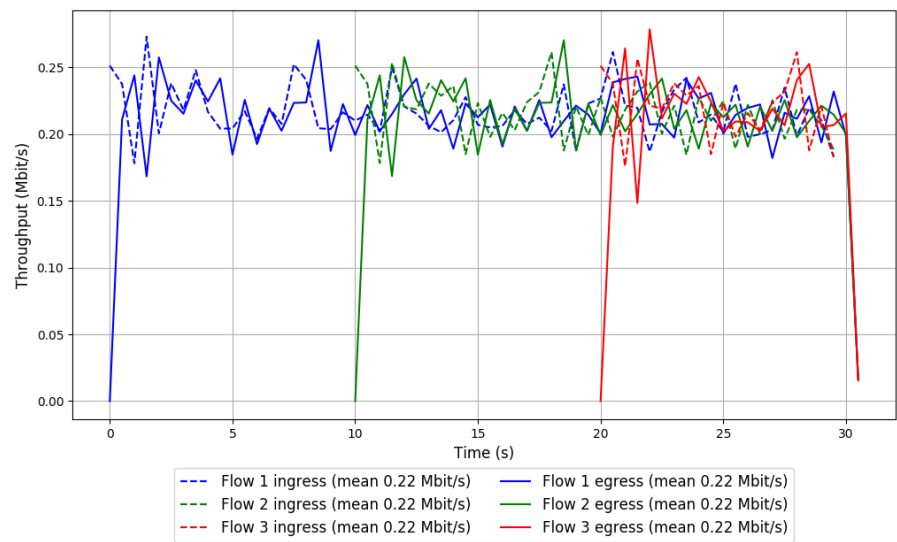
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.560 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-24 16:45:44

End at: 2018-07-24 16:46:14

Local clock offset: -3.6 ms

Remote clock offset: 1.302 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.991 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.216 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.802 ms

Loss rate: 0.00%

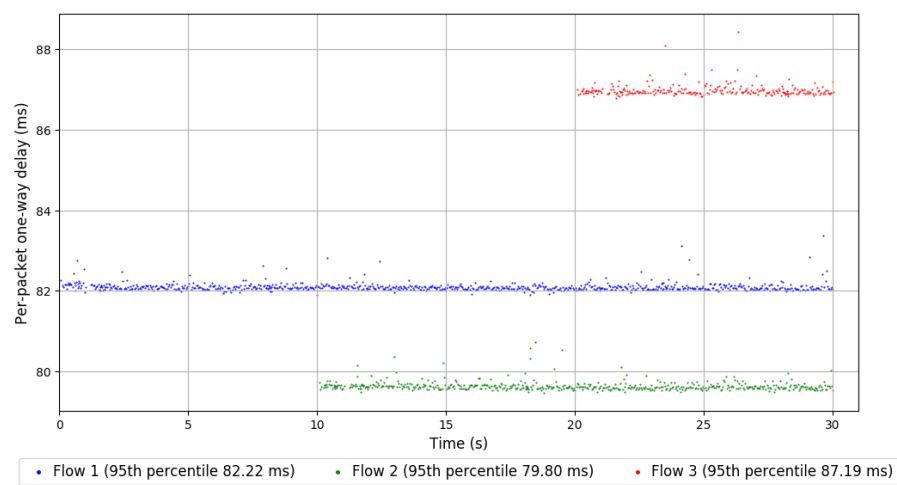
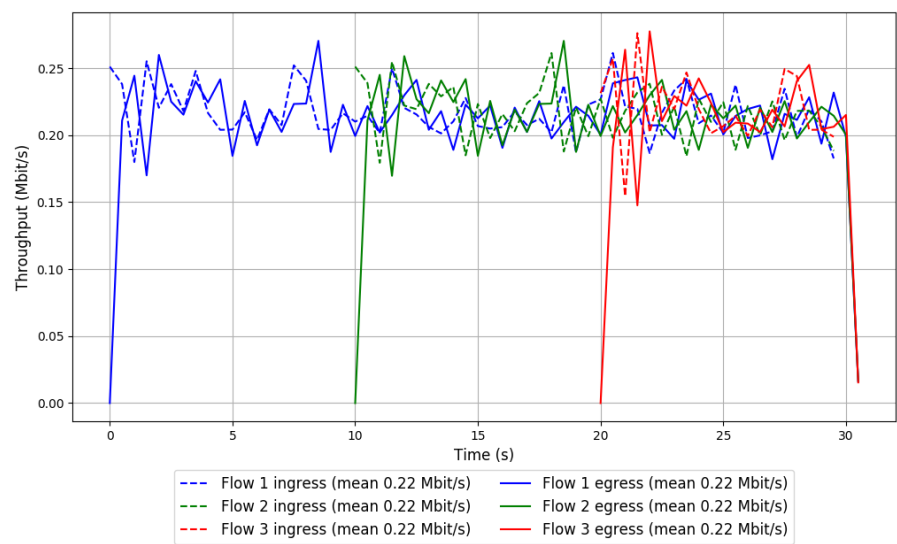
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.195 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-24 17:07:05

End at: 2018-07-24 17:07:35

Local clock offset: -4.686 ms

Remote clock offset: 7.929 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 91.679 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.331 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.877 ms

Loss rate: 0.00%

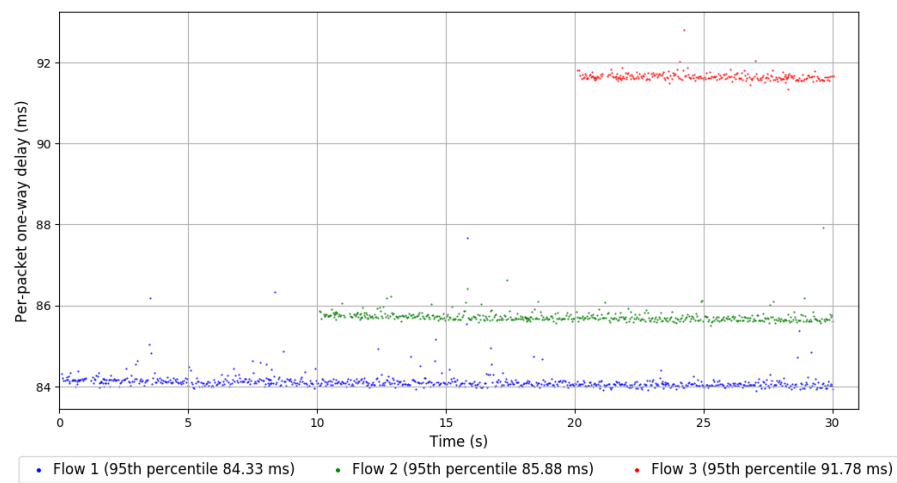
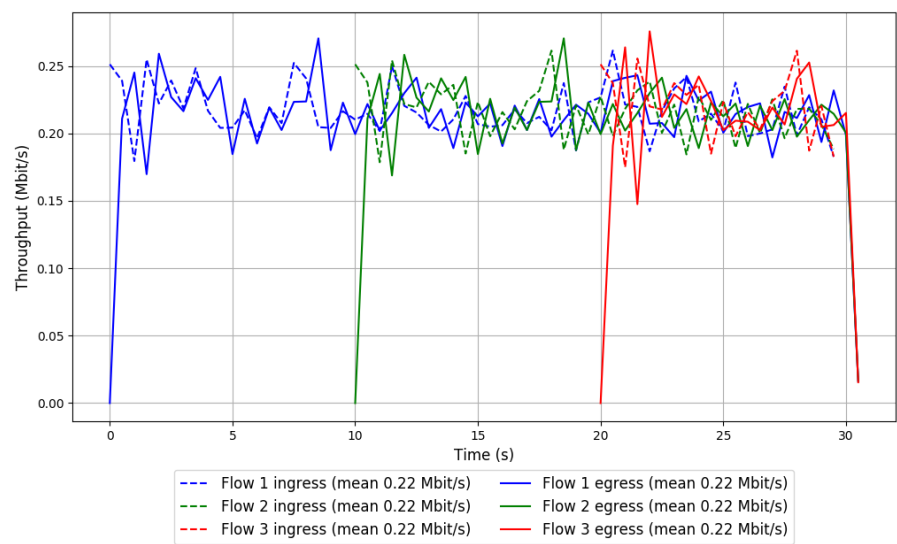
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 91.785 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-24 17:28:15

End at: 2018-07-24 17:28:45

Local clock offset: -7.611 ms

Remote clock offset: 8.411 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.961 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.627 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.107 ms

Loss rate: 0.00%

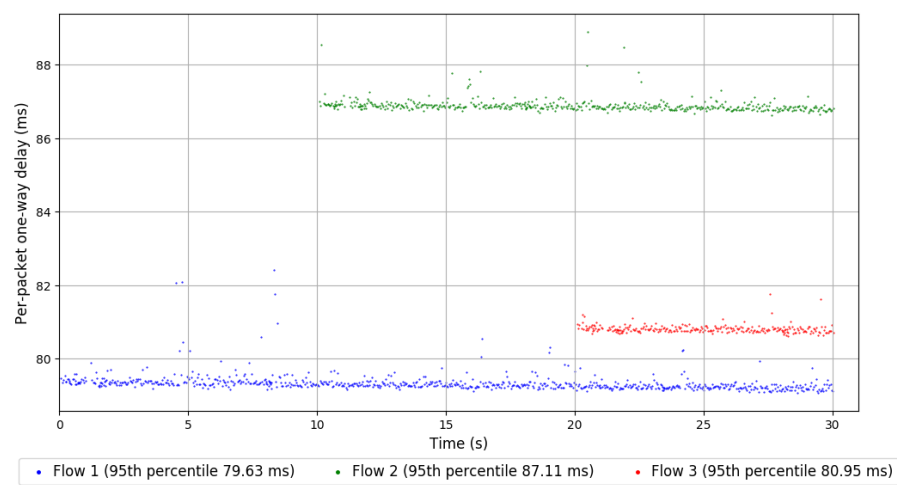
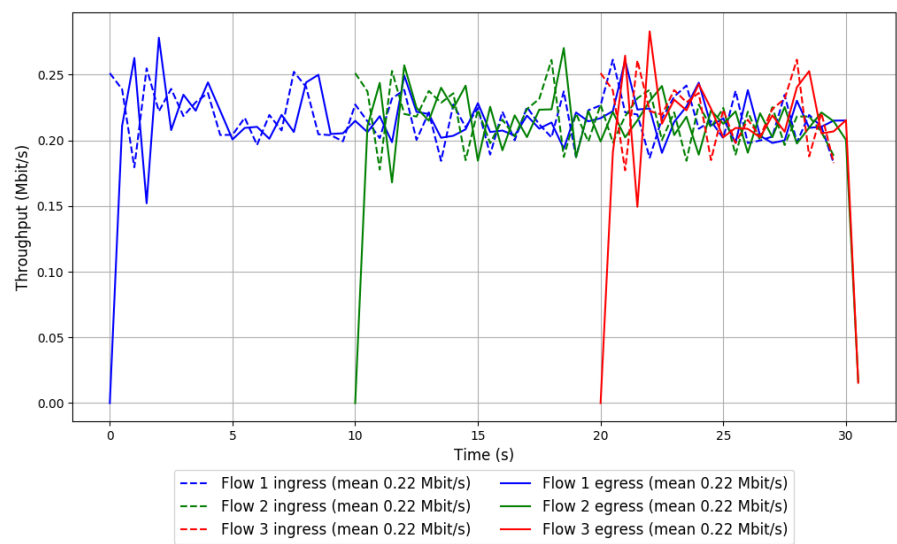
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.950 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-24 17:49:23

End at: 2018-07-24 17:49:53

Local clock offset: -3.004 ms

Remote clock offset: 13.49 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 83.405 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.708 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.184 ms

Loss rate: 0.00%

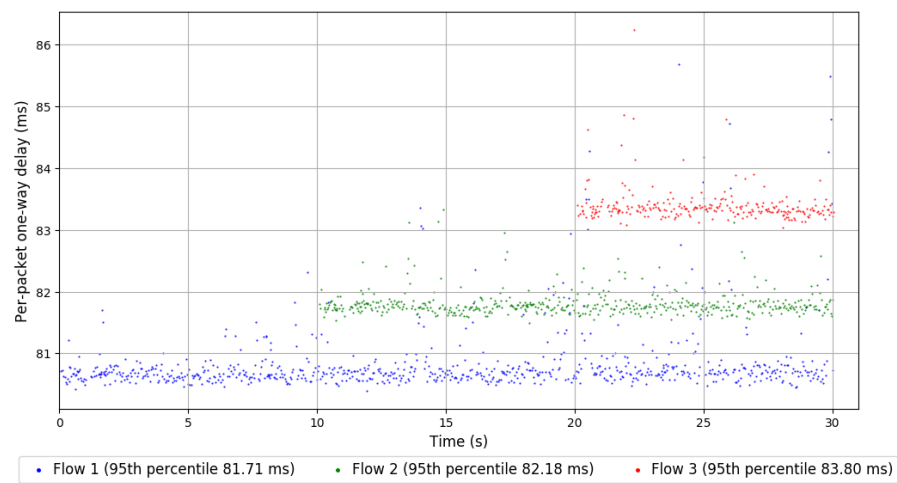
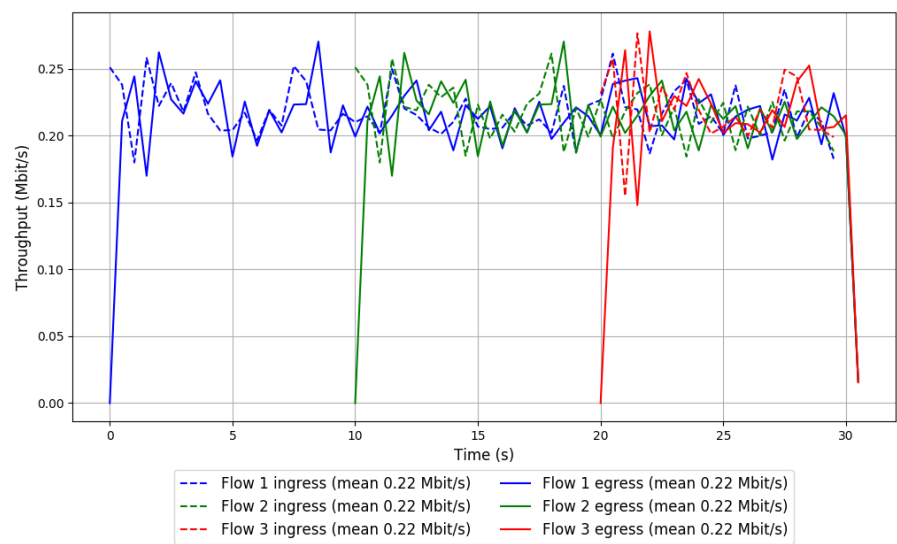
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.799 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-24 14:34:46

End at: 2018-07-24 14:35:16

Local clock offset: -3.044 ms

Remote clock offset: 3.438 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 86.082 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 82.643 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 82.919 ms

Loss rate: 0.00%

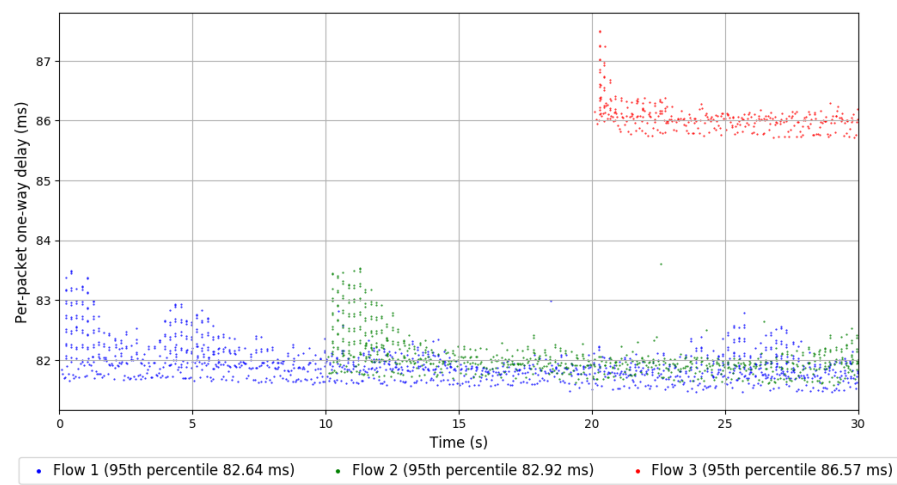
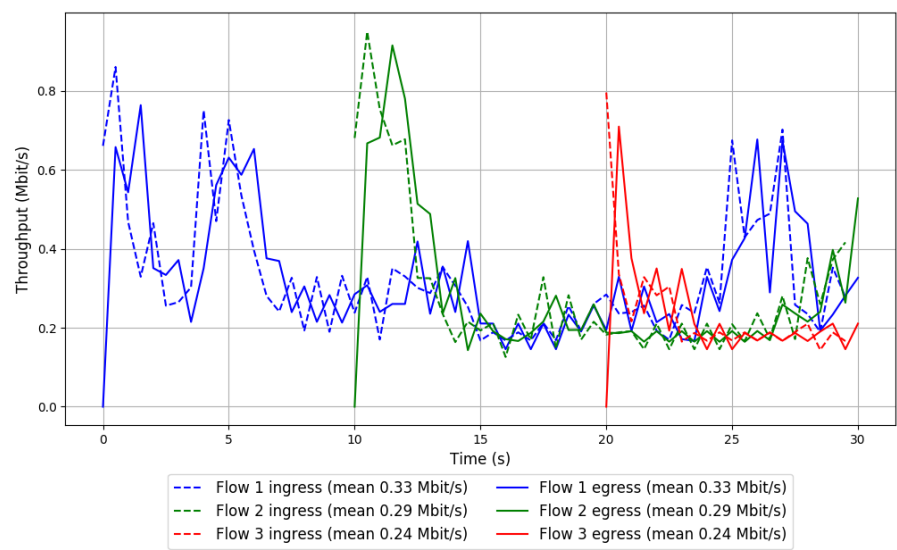
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.568 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

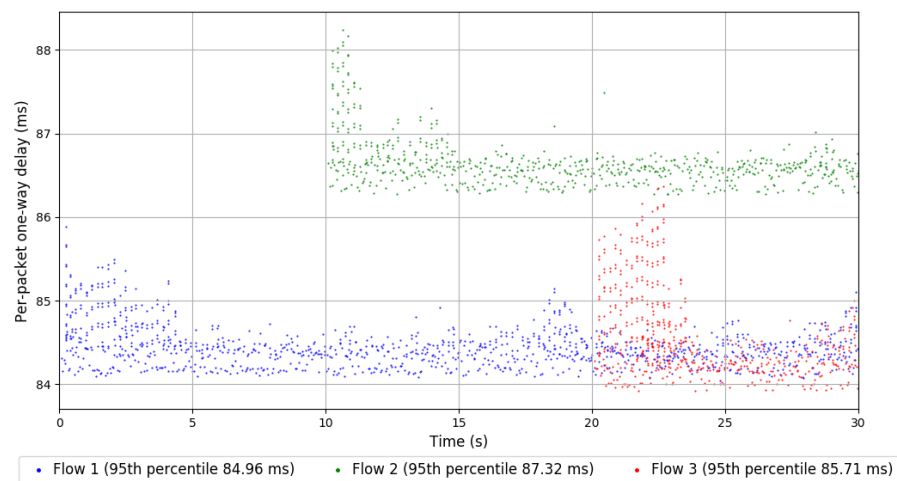
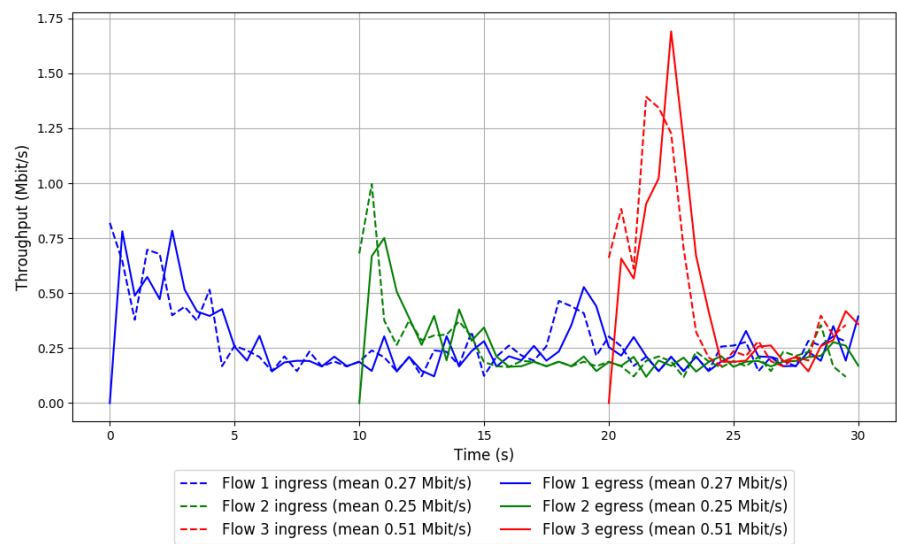


Run 2: Statistics of Sprout

Start at: 2018-07-24 14:55:59
End at: 2018-07-24 14:56:29
Local clock offset: -6.77 ms
Remote clock offset: 7.905 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 84.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 87.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 85.710 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

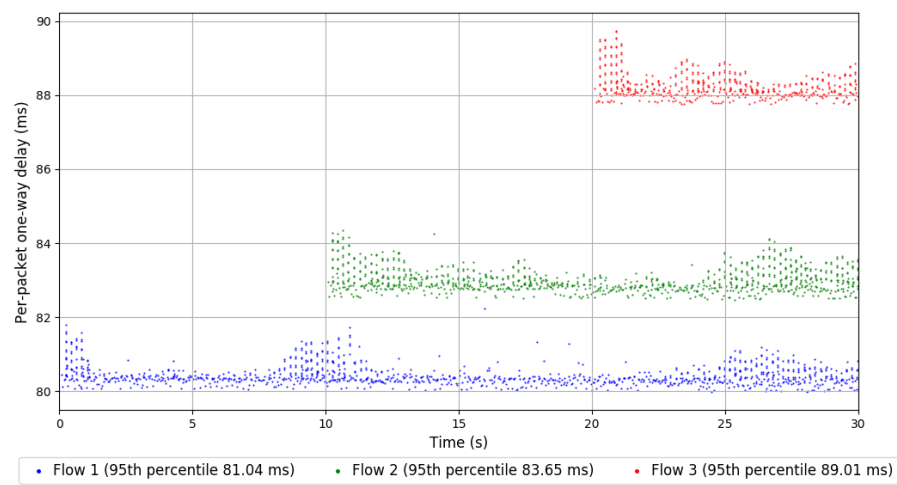
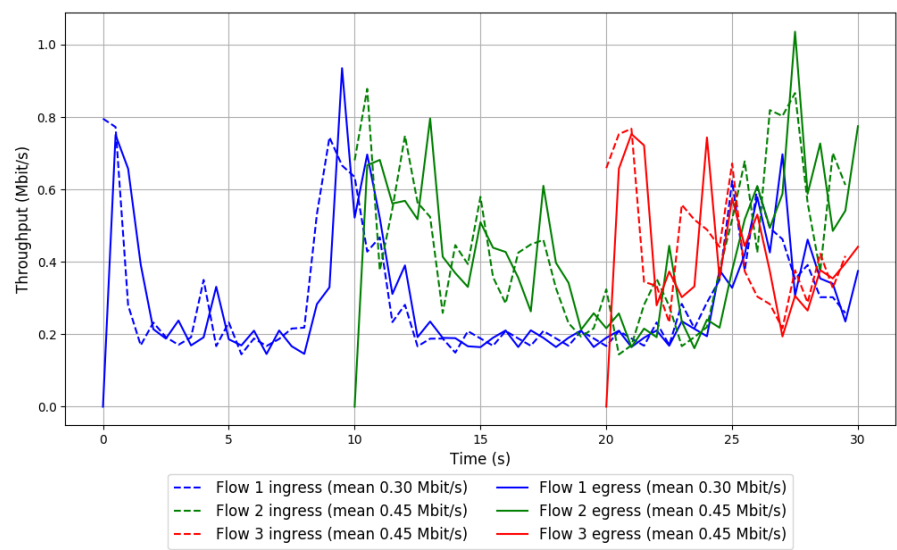


Run 3: Statistics of Sprout

Start at: 2018-07-24 15:17:14
End at: 2018-07-24 15:17:44
Local clock offset: -2.276 ms
Remote clock offset: 12.625 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 88.394 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 81.042 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 83.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 89.011 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

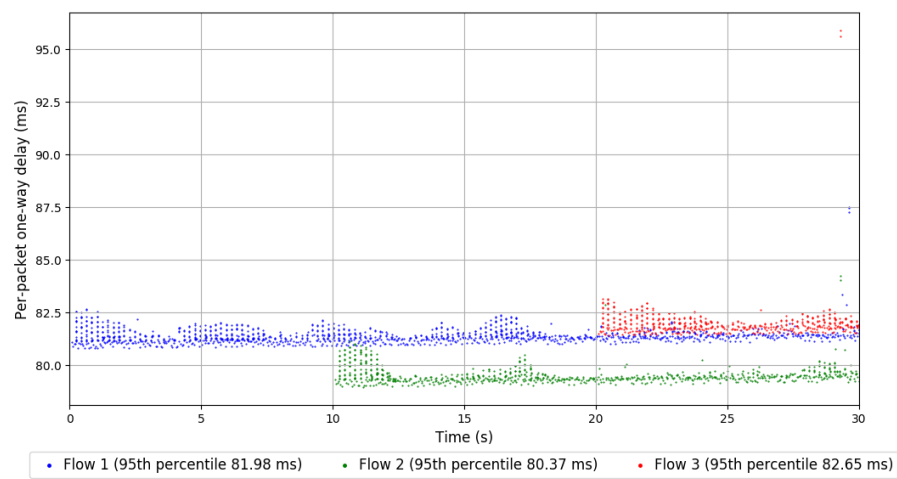
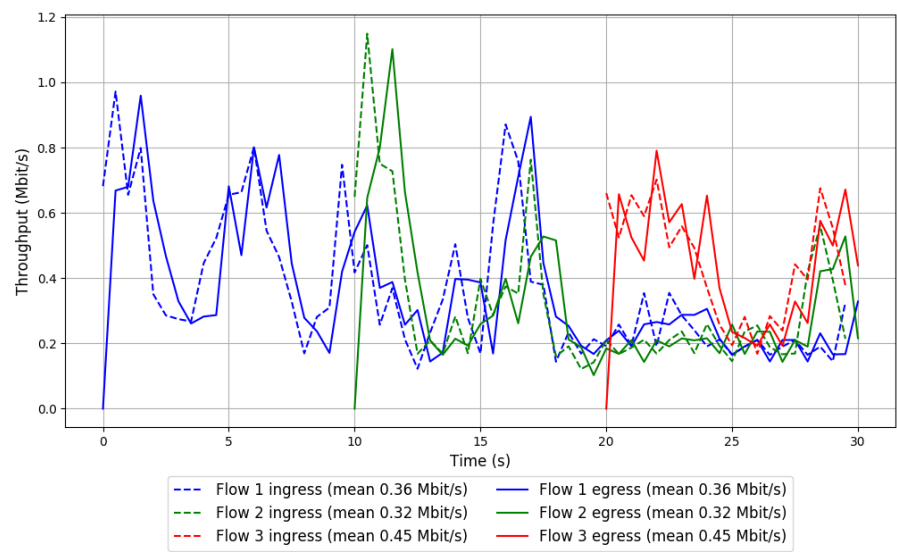


Run 4: Statistics of Sprout

Start at: 2018-07-24 15:38:25
End at: 2018-07-24 15:38:55
Local clock offset: -4.465 ms
Remote clock offset: 11.869 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 82.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 81.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 80.373 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 82.647 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

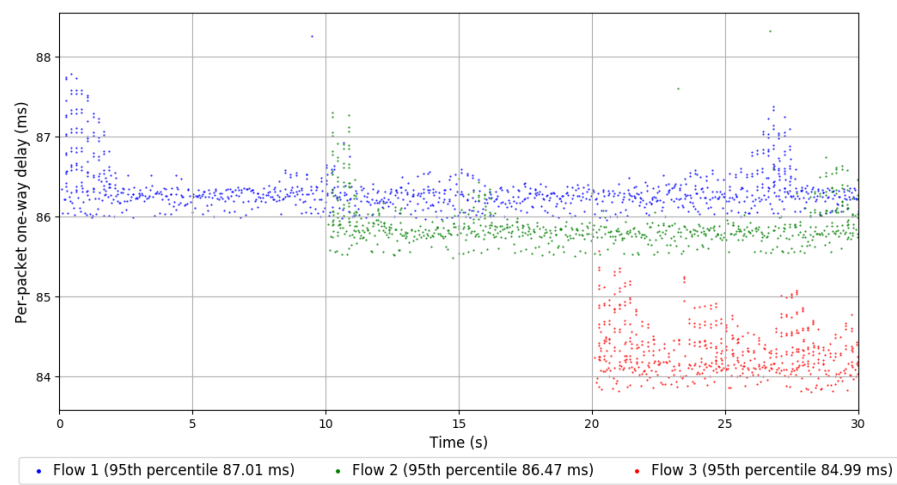
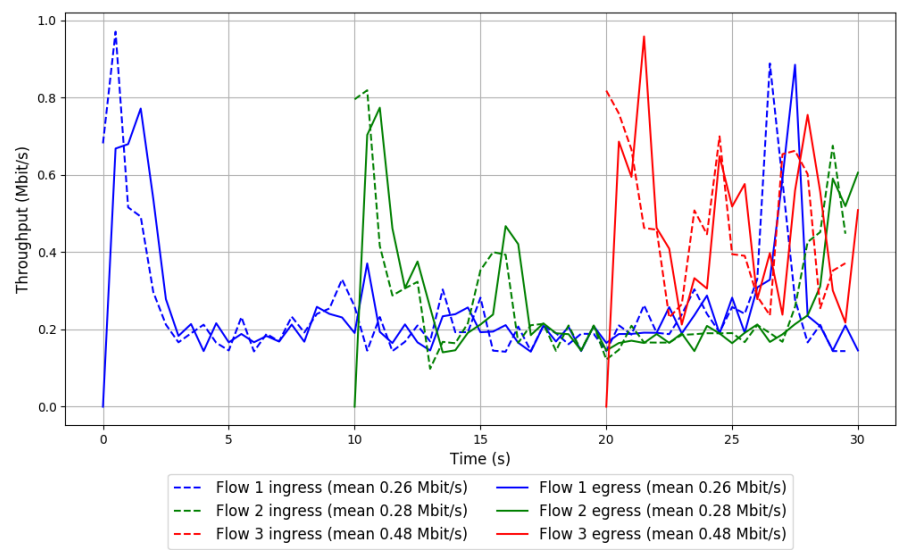


Run 5: Statistics of Sprout

Start at: 2018-07-24 15:59:37
End at: 2018-07-24 16:00:07
Local clock offset: -7.939 ms
Remote clock offset: 7.563 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 84.992 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

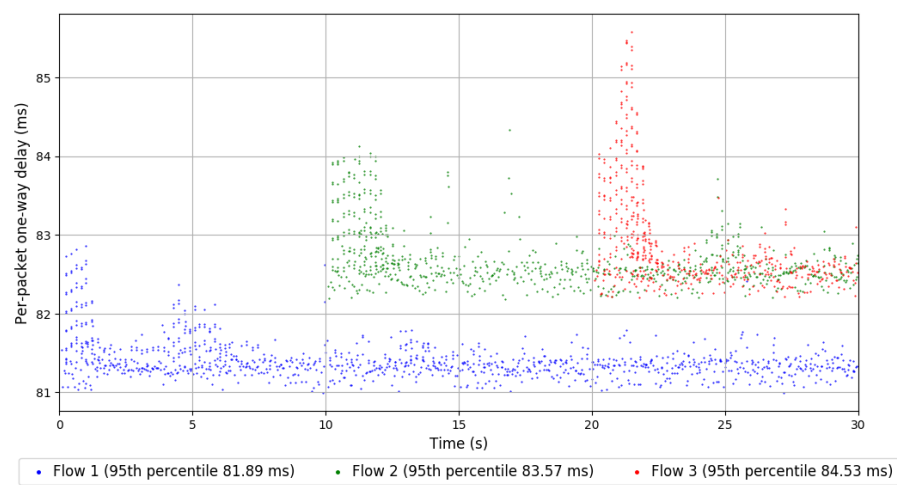
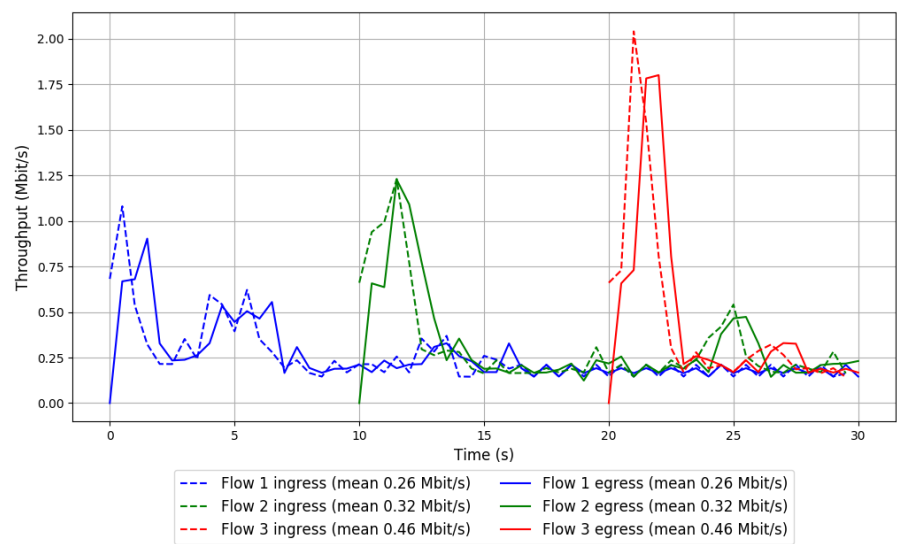


Run 6: Statistics of Sprout

Start at: 2018-07-24 16:20:50
End at: 2018-07-24 16:21:20
Local clock offset: -7.031 ms
Remote clock offset: 2.659 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 83.607 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 81.895 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 83.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 84.527 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

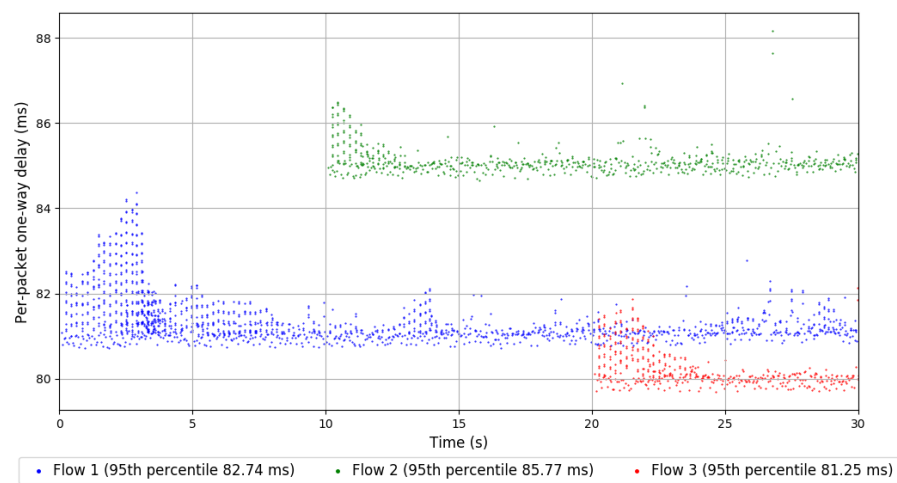
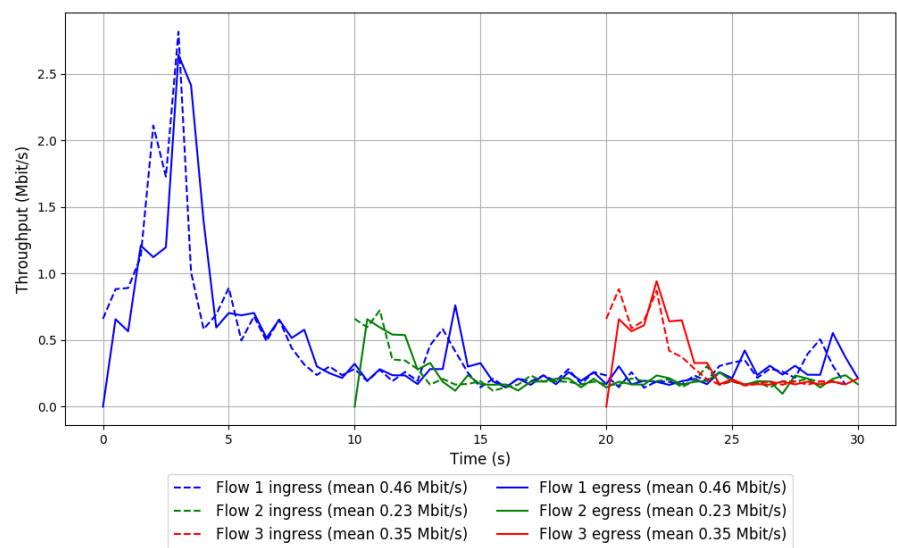


Run 7: Statistics of Sprout

Start at: 2018-07-24 16:42:04
End at: 2018-07-24 16:42:34
Local clock offset: -4.106 ms
Remote clock offset: 0.885 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 85.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 82.738 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 85.773 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 81.247 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-24 17:03:24

End at: 2018-07-24 17:03:54

Local clock offset: -3.248 ms

Remote clock offset: 3.966 ms

Below is generated by plot.py at 2018-07-24 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 83.358 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 83.617 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 81.443 ms

Loss rate: 0.00%

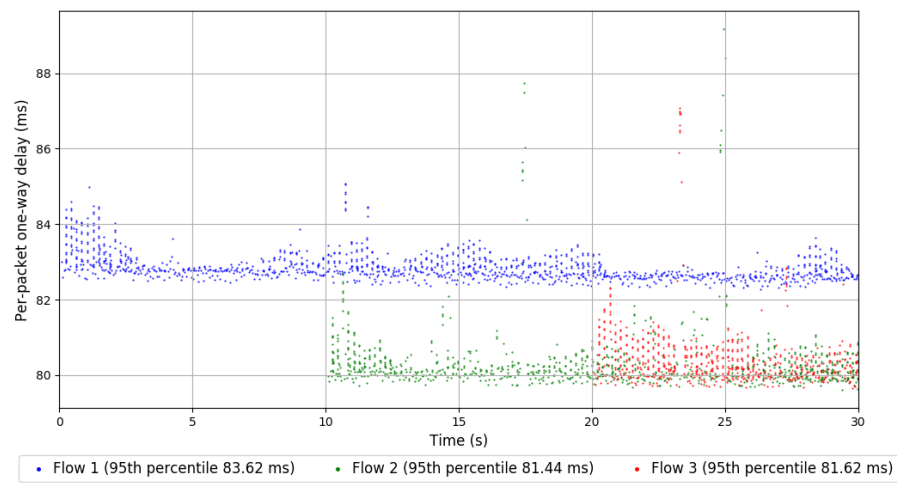
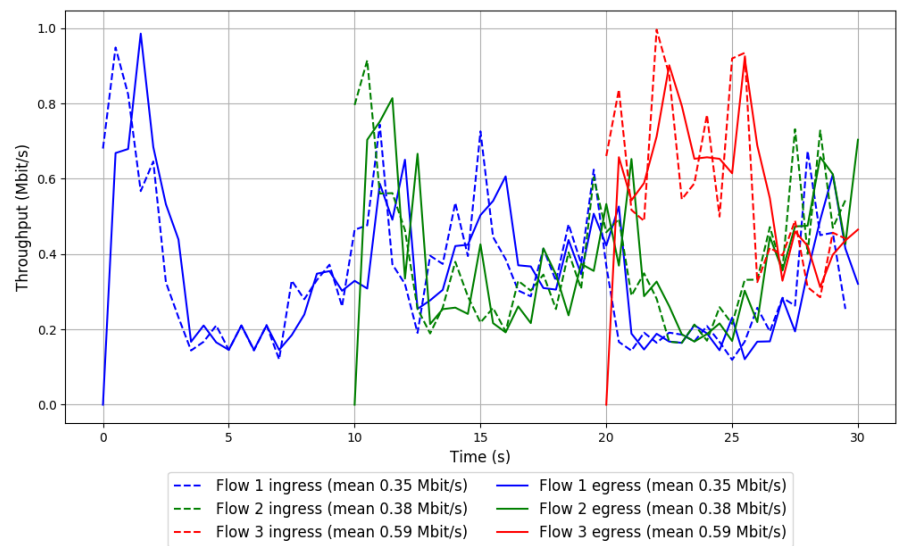
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 81.619 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

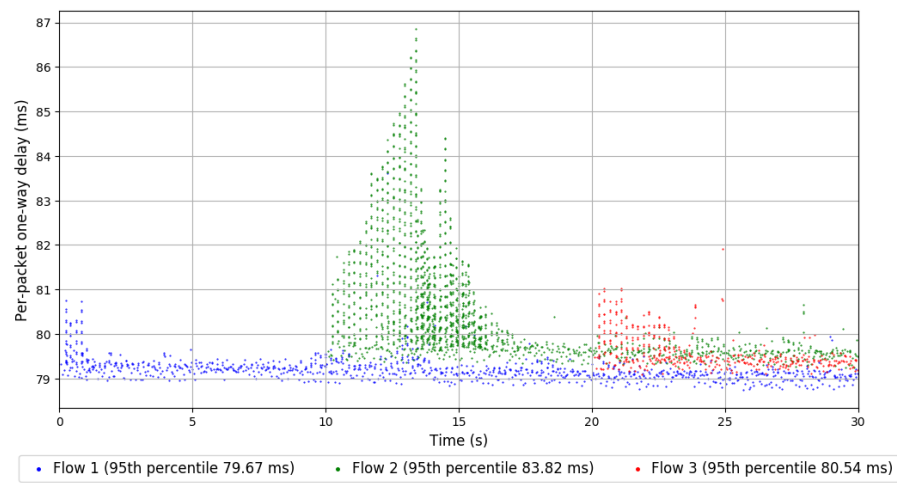
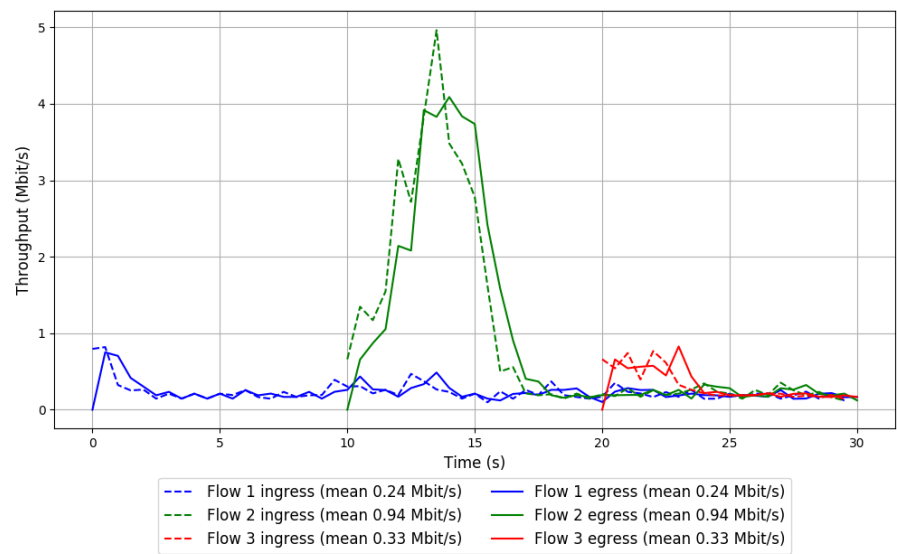


Run 9: Statistics of Sprout

Start at: 2018-07-24 17:24:34
End at: 2018-07-24 17:25:04
Local clock offset: -7.377 ms
Remote clock offset: 7.129 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 83.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 79.674 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 83.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 80.543 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

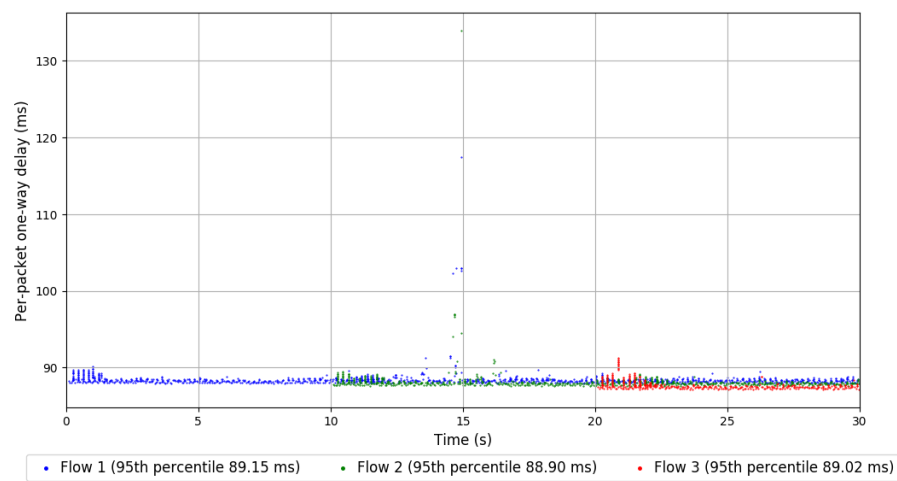
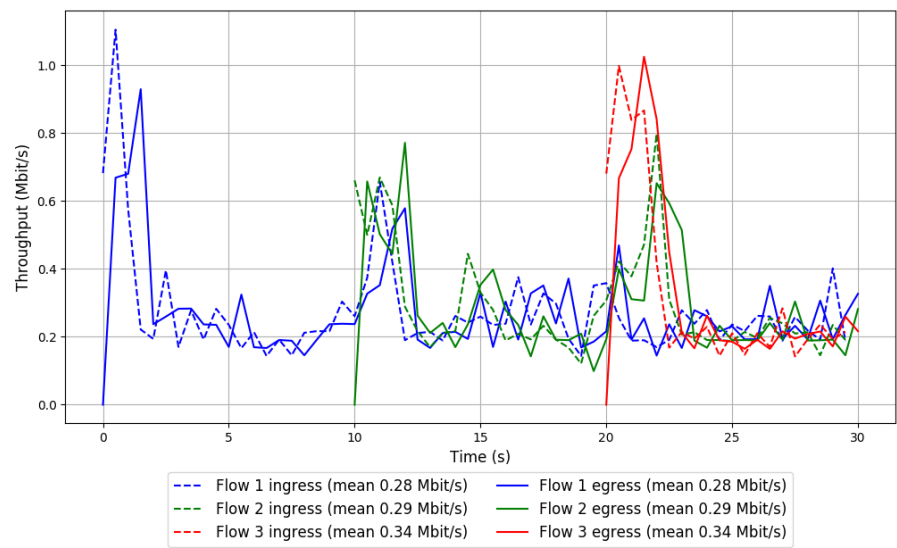


Run 10: Statistics of Sprout

Start at: 2018-07-24 17:45:42
End at: 2018-07-24 17:46:12
Local clock offset: -3.487 ms
Remote clock offset: 18.013 ms

```
# Below is generated by plot.py at 2018-07-24 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 89.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 88.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 89.015 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

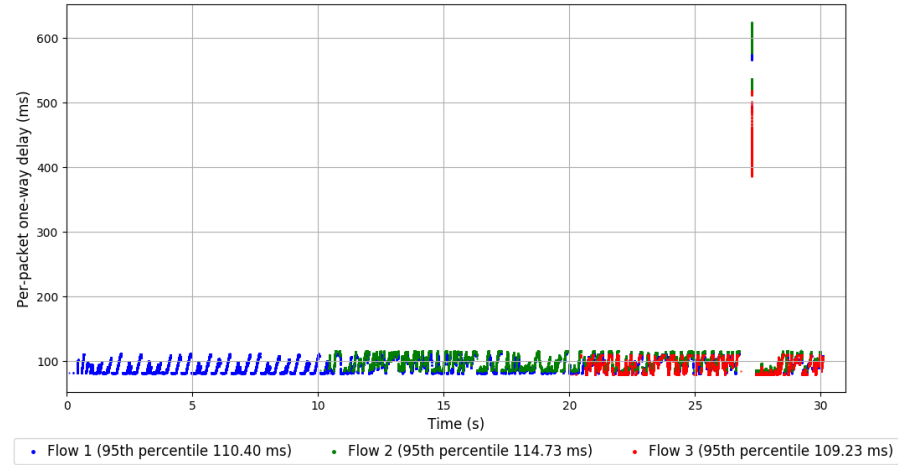
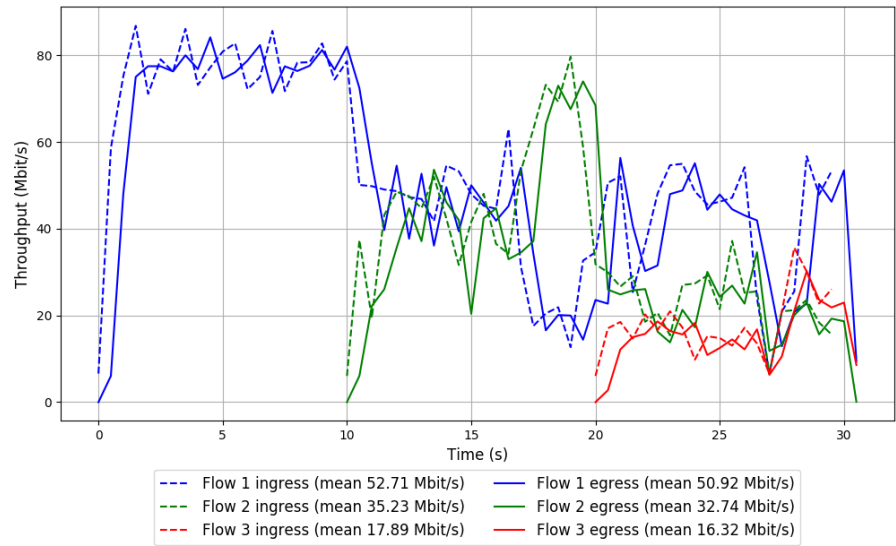


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 14:28:35
End at: 2018-07-24 14:29:05
Local clock offset: -1.726 ms
Remote clock offset: 1.631 ms

# Below is generated by plot.py at 2018-07-24 18:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 112.596 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 110.398 ms
Loss rate: 3.32%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 114.735 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 109.234 ms
Loss rate: 8.51%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 14:49:45

End at: 2018-07-24 14:50:15

Local clock offset: -6.288 ms

Remote clock offset: 6.771 ms

Below is generated by plot.py at 2018-07-24 18:13:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 114.520 ms

Loss rate: 6.17%

-- Flow 1:

Average throughput: 45.63 Mbit/s

95th percentile per-packet one-way delay: 114.323 ms

Loss rate: 4.67%

-- Flow 2:

Average throughput: 39.44 Mbit/s

95th percentile per-packet one-way delay: 114.800 ms

Loss rate: 7.28%

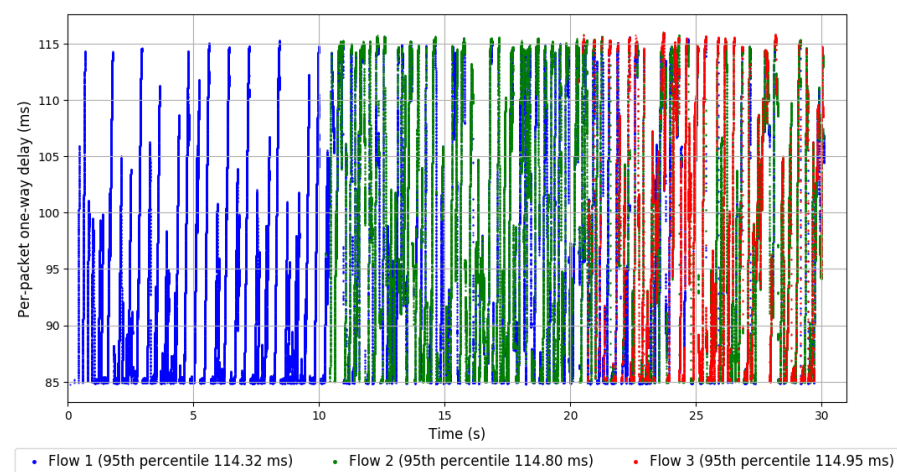
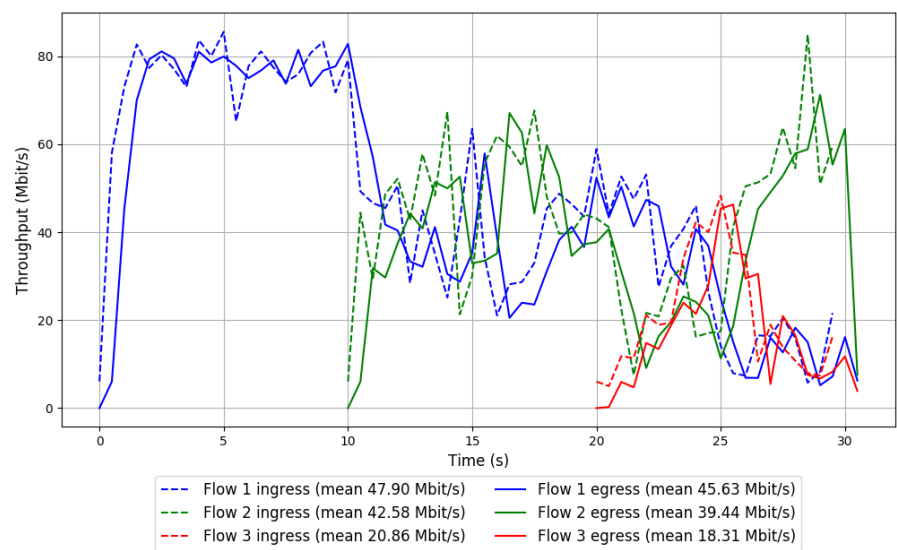
-- Flow 3:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 114.955 ms

Loss rate: 12.11%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 15:11:02

End at: 2018-07-24 15:11:32

Local clock offset: -3.348 ms

Remote clock offset: 10.38 ms

Below is generated by plot.py at 2018-07-24 18:13:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.14 Mbit/s

95th percentile per-packet one-way delay: 111.272 ms

Loss rate: 6.06%

-- Flow 1:

Average throughput: 47.80 Mbit/s

95th percentile per-packet one-way delay: 109.832 ms

Loss rate: 4.86%

-- Flow 2:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 111.886 ms

Loss rate: 7.49%

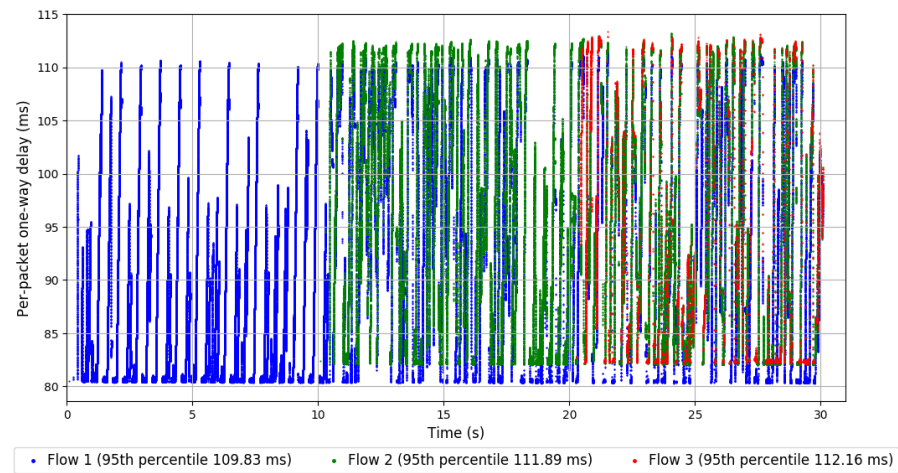
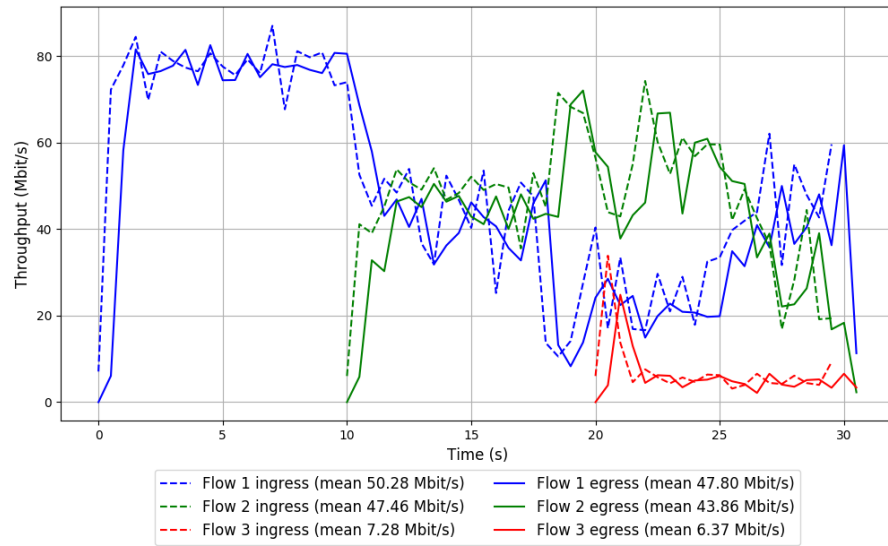
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 112.158 ms

Loss rate: 12.35%

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

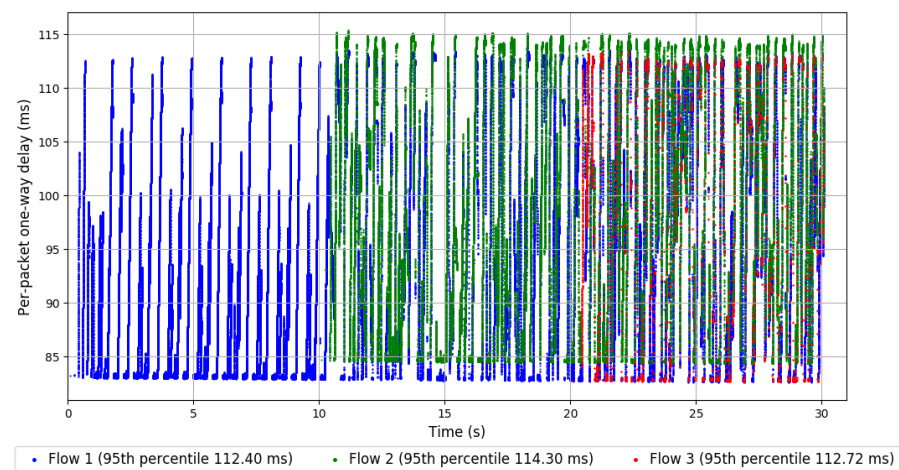
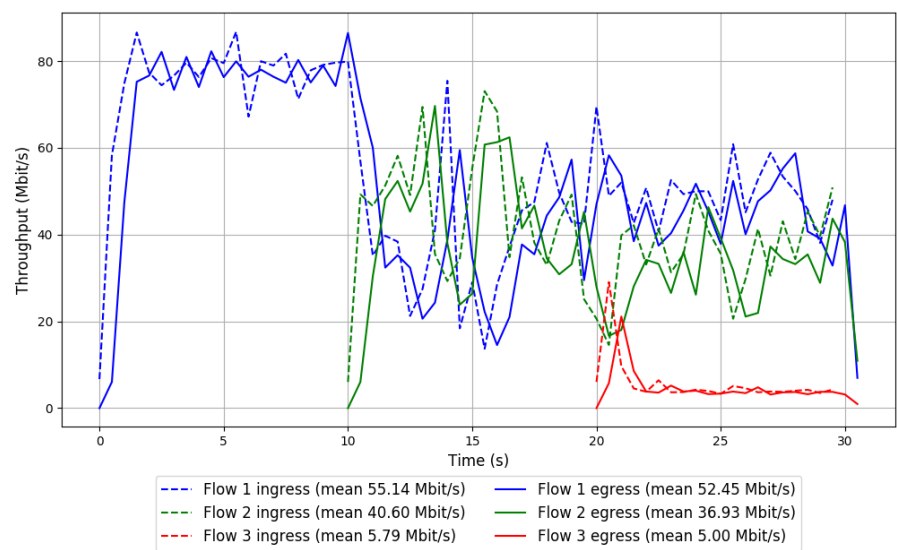


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 15:32:12
End at: 2018-07-24 15:32:42
Local clock offset: -1.36 ms
Remote clock offset: 18.867 ms

Below is generated by plot.py at 2018-07-24 18:13:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 112.400 ms
Loss rate: 4.80%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 114.295 ms
Loss rate: 8.93%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 112.717 ms
Loss rate: 13.42%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 15:53:24

End at: 2018-07-24 15:53:54

Local clock offset: -7.404 ms

Remote clock offset: 4.855 ms

Below is generated by plot.py at 2018-07-24 18:13:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.90 Mbit/s

95th percentile per-packet one-way delay: 110.474 ms

Loss rate: 5.94%

-- Flow 1:

Average throughput: 42.11 Mbit/s

95th percentile per-packet one-way delay: 110.463 ms

Loss rate: 4.79%

-- Flow 2:

Average throughput: 45.39 Mbit/s

95th percentile per-packet one-way delay: 110.145 ms

Loss rate: 6.61%

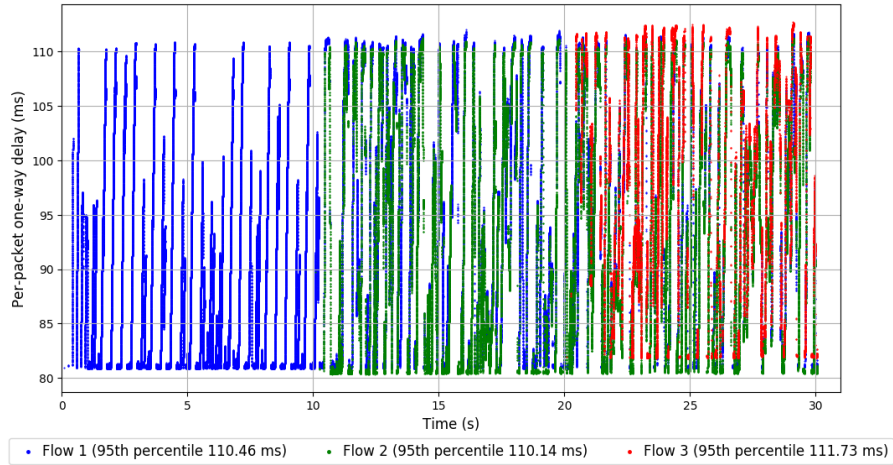
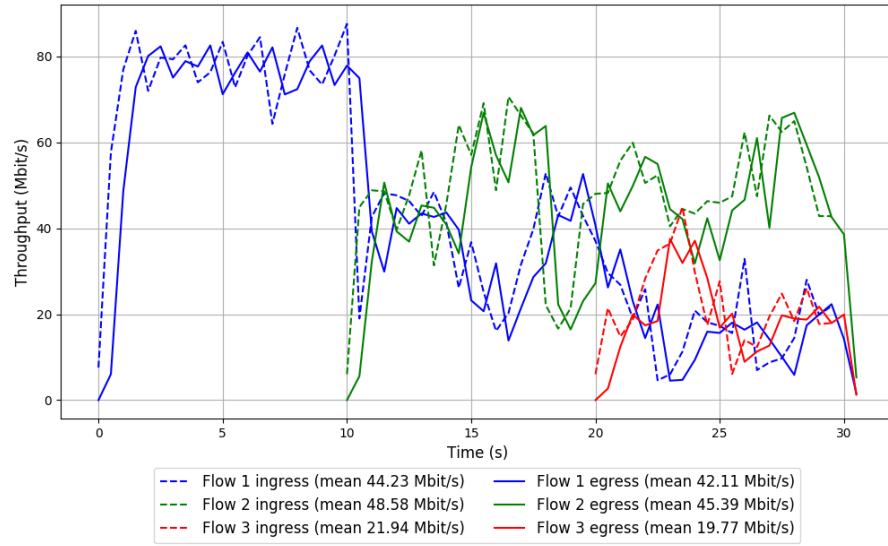
-- Flow 3:

Average throughput: 19.77 Mbit/s

95th percentile per-packet one-way delay: 111.728 ms

Loss rate: 9.86%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 16:14:39

End at: 2018-07-24 16:15:09

Local clock offset: -7.163 ms

Remote clock offset: 2.979 ms

Below is generated by plot.py at 2018-07-24 18:13:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 112.312 ms

Loss rate: 5.84%

-- Flow 1:

Average throughput: 45.03 Mbit/s

95th percentile per-packet one-way delay: 111.842 ms

Loss rate: 4.62%

-- Flow 2:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 112.960 ms

Loss rate: 7.22%

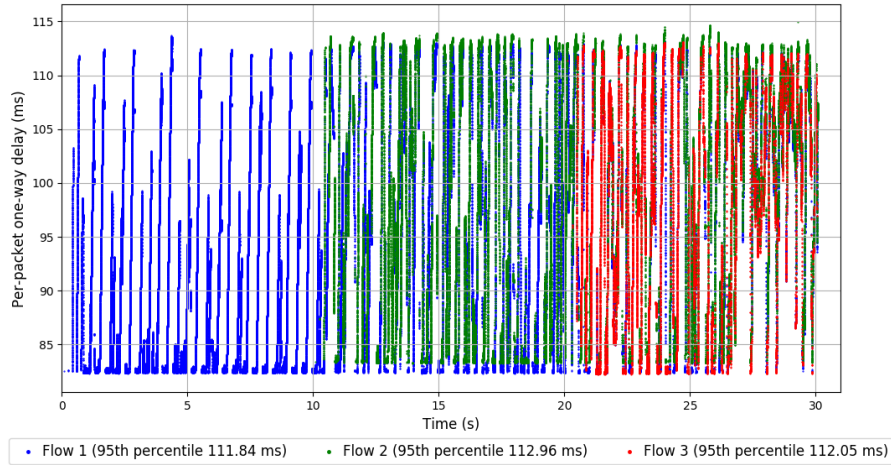
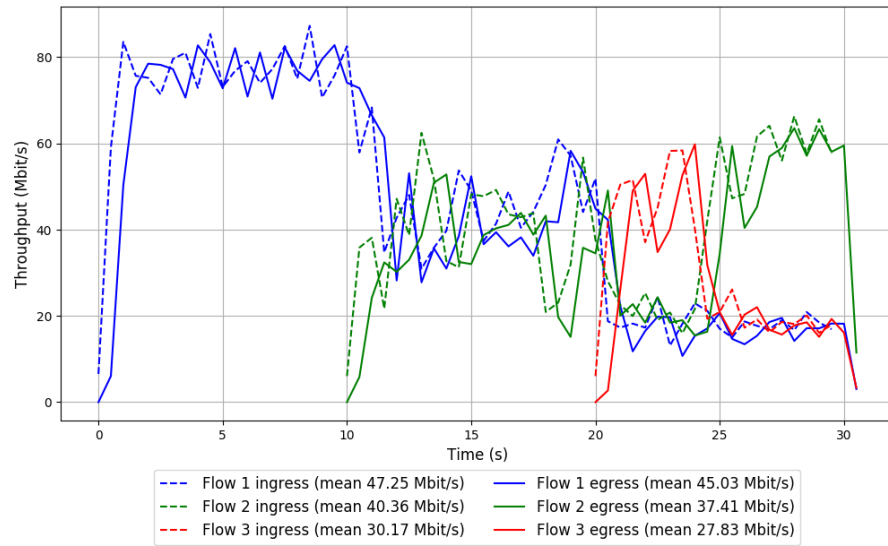
-- Flow 3:

Average throughput: 27.83 Mbit/s

95th percentile per-packet one-way delay: 112.047 ms

Loss rate: 7.89%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 16:35:52

End at: 2018-07-24 16:36:22

Local clock offset: -5.517 ms

Remote clock offset: 2.222 ms

Below is generated by plot.py at 2018-07-24 18:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 110.248 ms

Loss rate: 6.90%

-- Flow 1:

Average throughput: 50.77 Mbit/s

95th percentile per-packet one-way delay: 110.132 ms

Loss rate: 5.35%

-- Flow 2:

Average throughput: 38.13 Mbit/s

95th percentile per-packet one-way delay: 110.377 ms

Loss rate: 9.07%

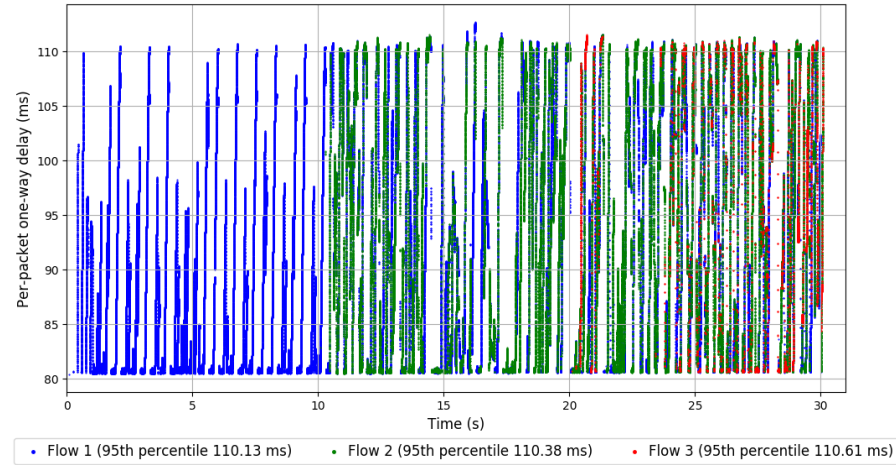
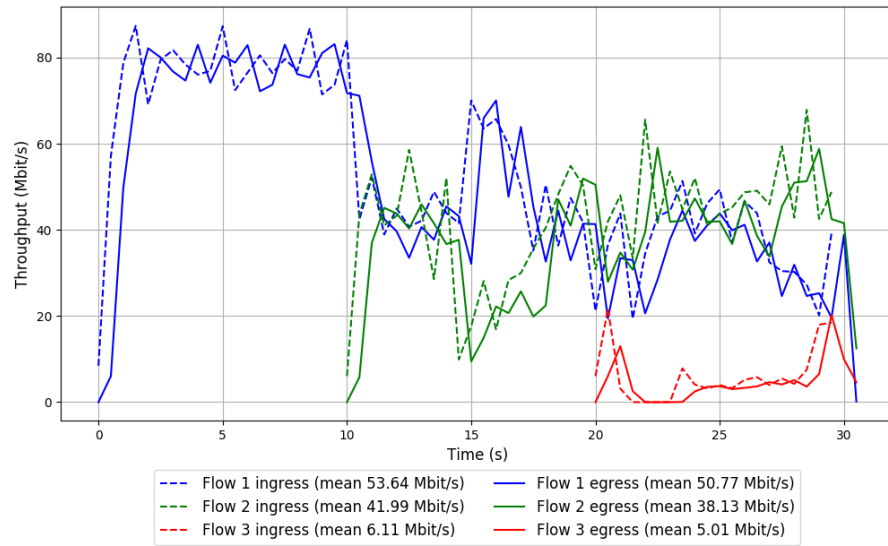
-- Flow 3:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 110.608 ms

Loss rate: 17.84%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-24 16:57:13

End at: 2018-07-24 16:57:43

Local clock offset: -2.71 ms

Remote clock offset: 2.559 ms

Below is generated by plot.py at 2018-07-24 18:13:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.00 Mbit/s

95th percentile per-packet one-way delay: 110.117 ms

Loss rate: 5.55%

-- Flow 1:

Average throughput: 44.35 Mbit/s

95th percentile per-packet one-way delay: 108.727 ms

Loss rate: 4.49%

-- Flow 2:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 110.751 ms

Loss rate: 8.90%

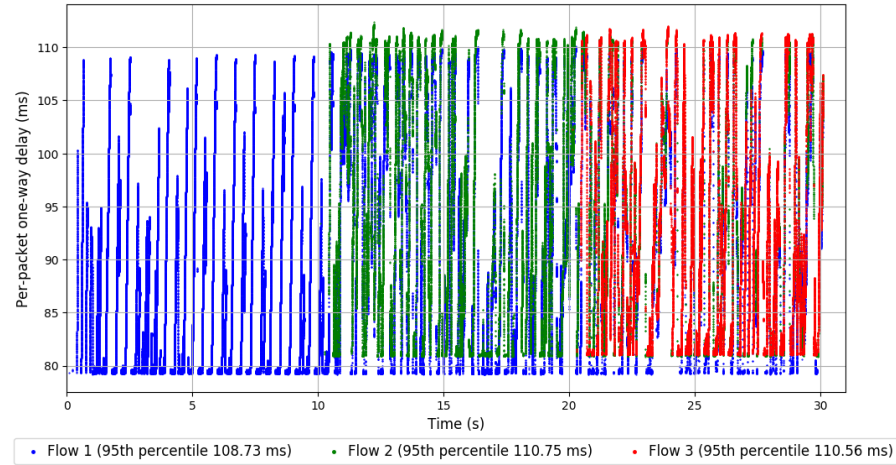
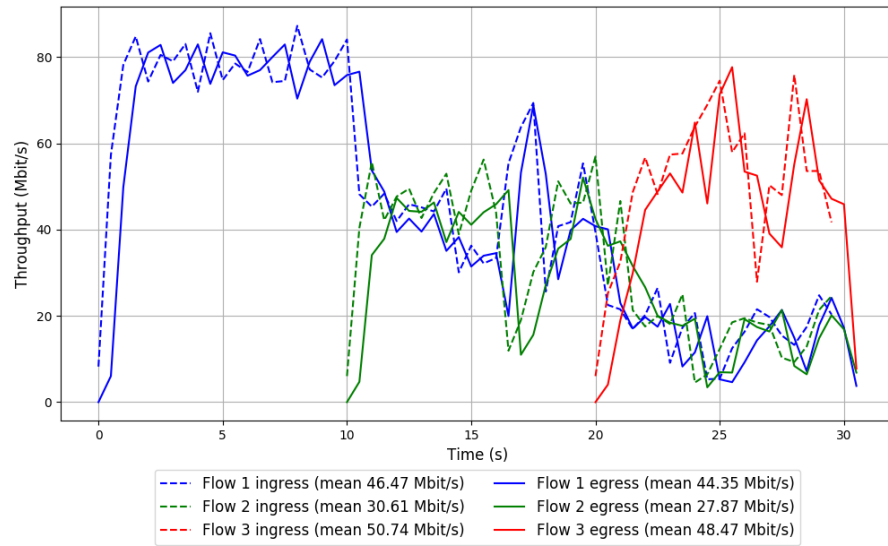
-- Flow 3:

Average throughput: 48.47 Mbit/s

95th percentile per-packet one-way delay: 110.555 ms

Loss rate: 4.41%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 17:18:22

End at: 2018-07-24 17:18:52

Local clock offset: -6.797 ms

Remote clock offset: 9.615 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 116.593 ms

Loss rate: 6.41%

-- Flow 1:

Average throughput: 46.58 Mbit/s

95th percentile per-packet one-way delay: 116.503 ms

Loss rate: 4.30%

-- Flow 2:

Average throughput: 29.24 Mbit/s

95th percentile per-packet one-way delay: 116.799 ms

Loss rate: 10.30%

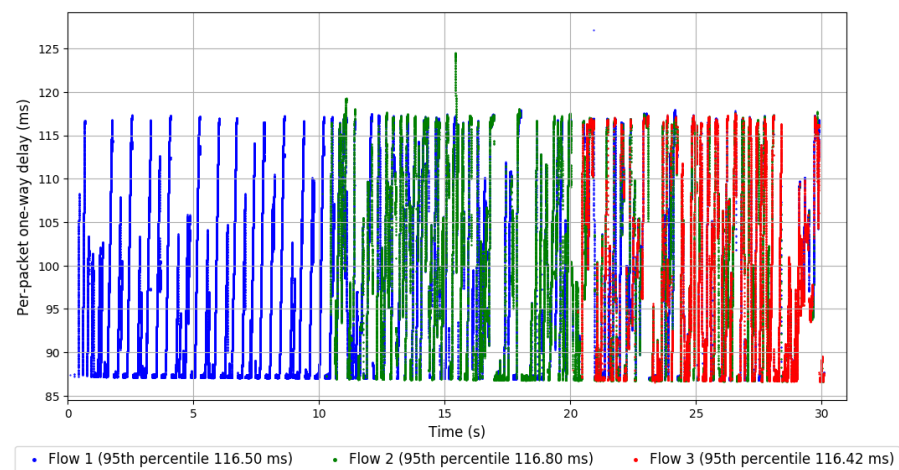
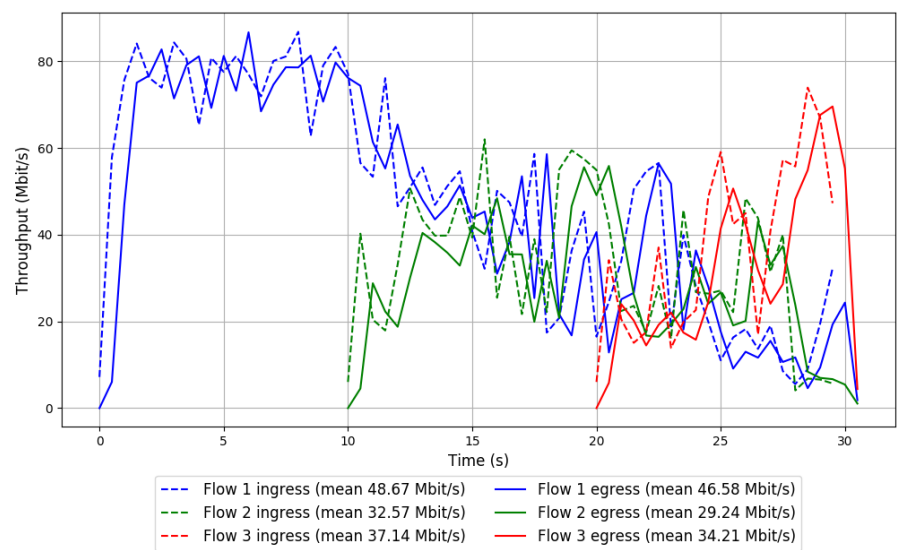
-- Flow 3:

Average throughput: 34.21 Mbit/s

95th percentile per-packet one-way delay: 116.423 ms

Loss rate: 7.92%

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

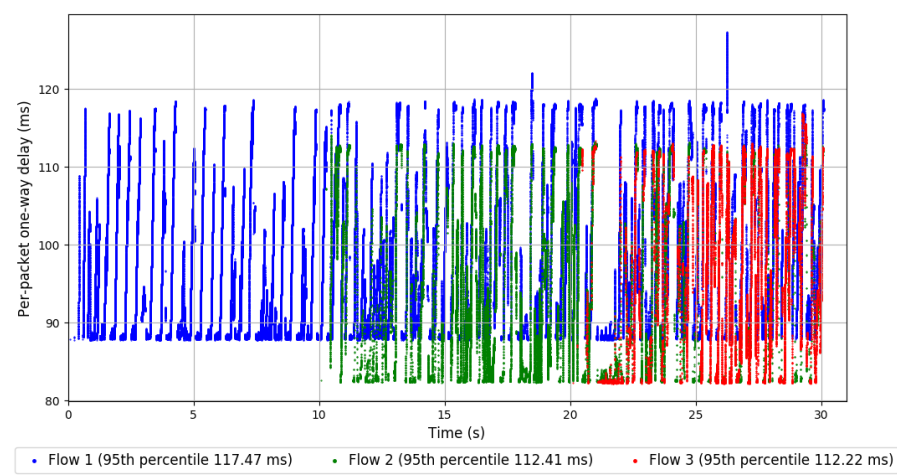
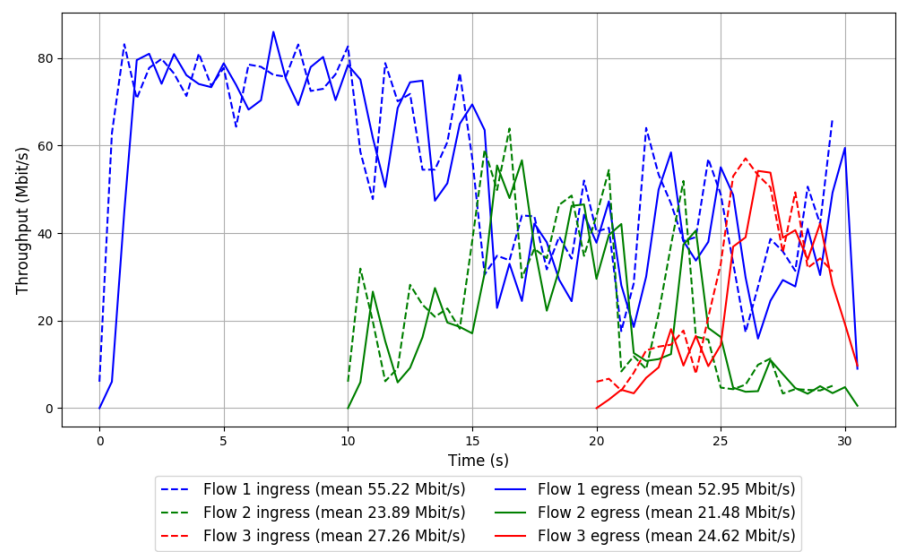


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 17:39:33
End at: 2018-07-24 17:40:03
Local clock offset: -4.633 ms
Remote clock offset: 12.022 ms

Below is generated by plot.py at 2018-07-24 18:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 117.130 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 117.468 ms
Loss rate: 4.04%
-- Flow 2:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 112.413 ms
Loss rate: 9.95%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 112.221 ms
Loss rate: 9.42%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 14:42:09

End at: 2018-07-24 14:42:39

Local clock offset: -5.177 ms

Remote clock offset: 7.764 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.25 Mbit/s

95th percentile per-packet one-way delay: 101.278 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 23.72 Mbit/s

95th percentile per-packet one-way delay: 102.674 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 109.134 ms

Loss rate: 2.16%

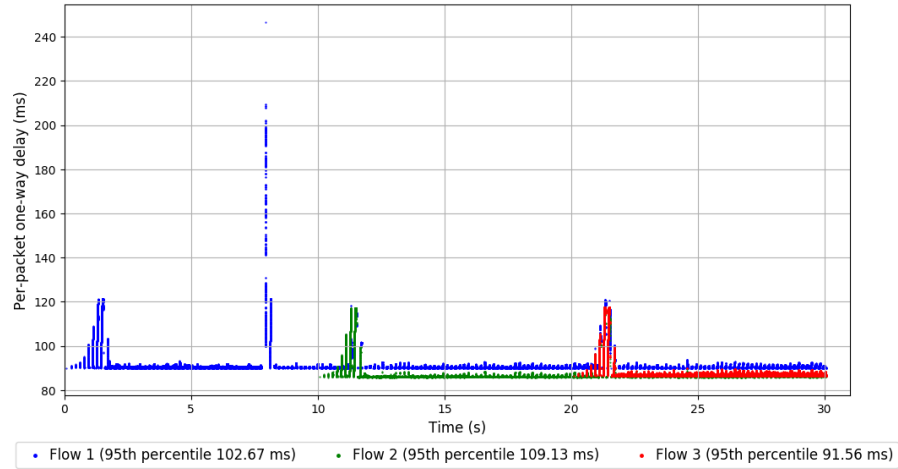
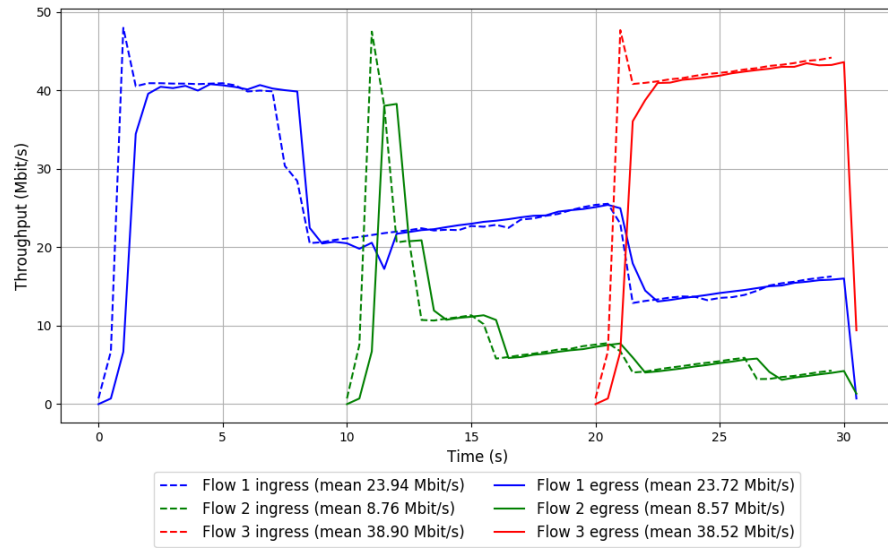
-- Flow 3:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 91.560 ms

Loss rate: 0.96%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 15:03:21

End at: 2018-07-24 15:03:52

Local clock offset: -6.015 ms

Remote clock offset: 5.373 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.70 Mbit/s

95th percentile per-packet one-way delay: 94.612 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: 96.611 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 94.263 ms

Loss rate: 0.47%

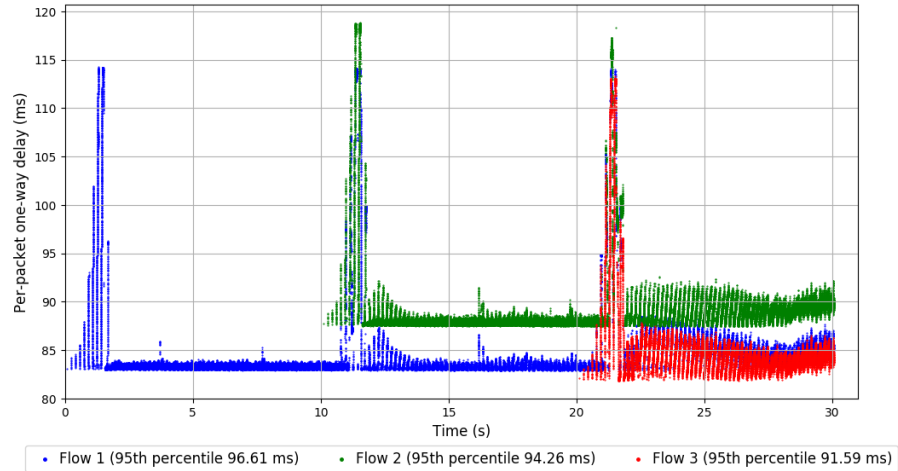
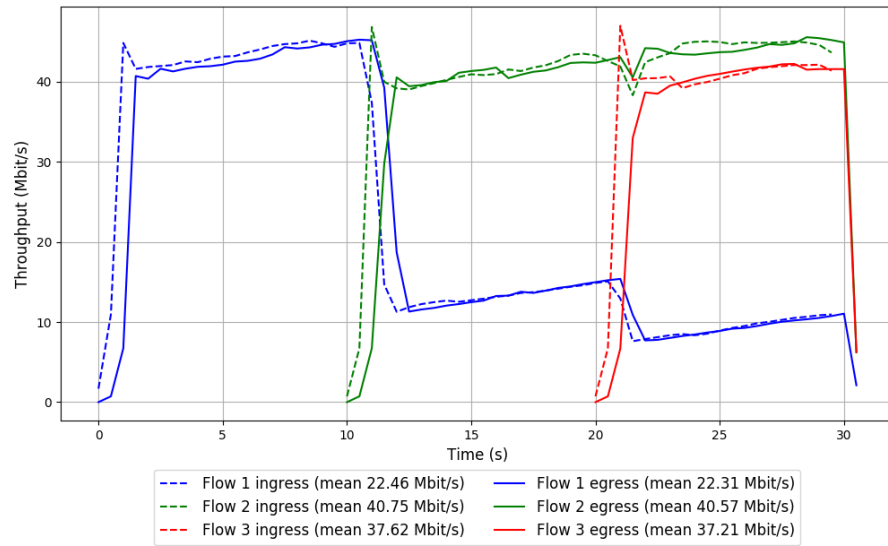
-- Flow 3:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 91.590 ms

Loss rate: 1.06%

Run 2: Report of TCP Vegas — Data Link

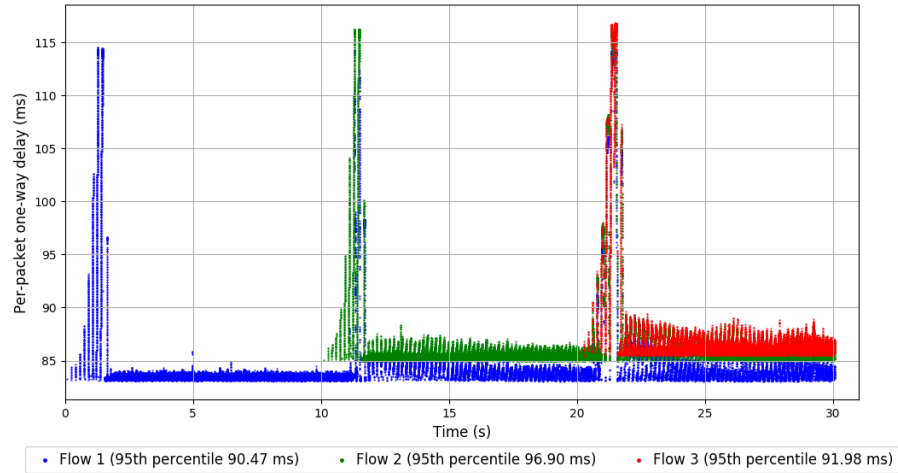
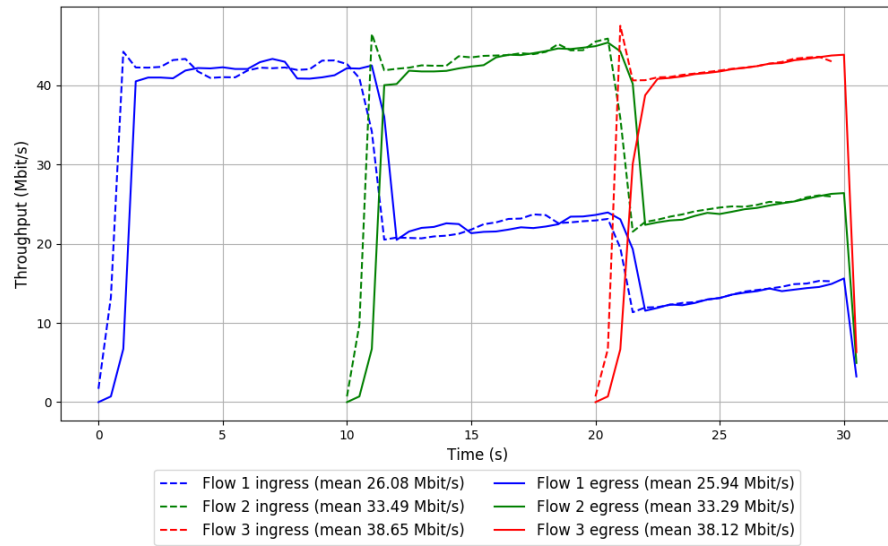


Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 15:24:35
End at: 2018-07-24 15:25:05
Local clock offset: -1.476 ms
Remote clock offset: 17.274 ms

Below is generated by plot.py at 2018-07-24 18:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 93.164 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 25.94 Mbit/s
95th percentile per-packet one-way delay: 90.466 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 96.896 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 91.985 ms
Loss rate: 1.36%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 15:45:46

End at: 2018-07-24 15:46:17

Local clock offset: -6.406 ms

Remote clock offset: 10.16 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.43 Mbit/s

95th percentile per-packet one-way delay: 94.190 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 3.34 Mbit/s

95th percentile per-packet one-way delay: 90.045 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 6.72 Mbit/s

95th percentile per-packet one-way delay: 102.168 ms

Loss rate: 0.66%

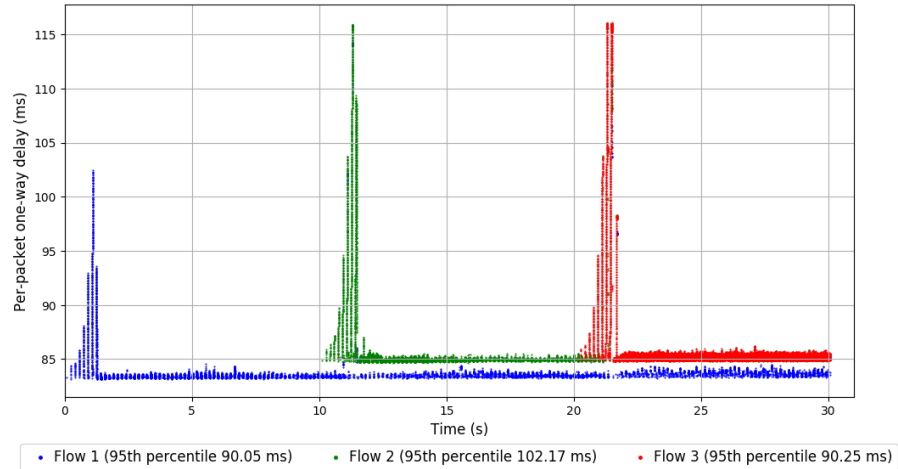
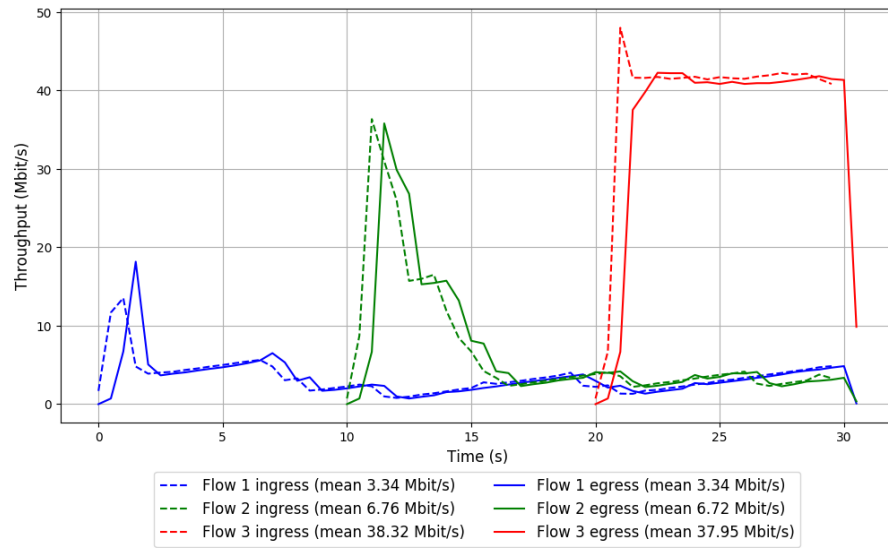
-- Flow 3:

Average throughput: 37.95 Mbit/s

95th percentile per-packet one-way delay: 90.245 ms

Loss rate: 0.95%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 16:06:59

End at: 2018-07-24 16:07:29

Local clock offset: -7.453 ms

Remote clock offset: 3.387 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.16 Mbit/s

95th percentile per-packet one-way delay: 89.375 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 88.421 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 87.305 ms

Loss rate: 1.24%

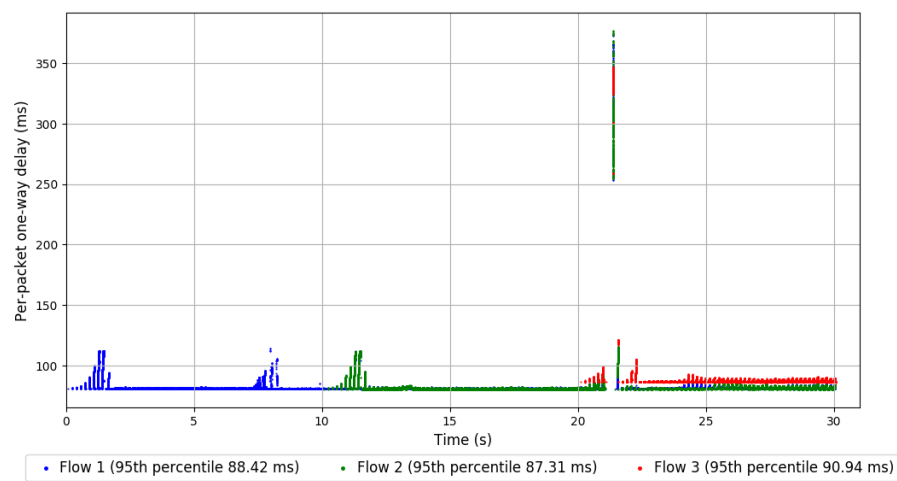
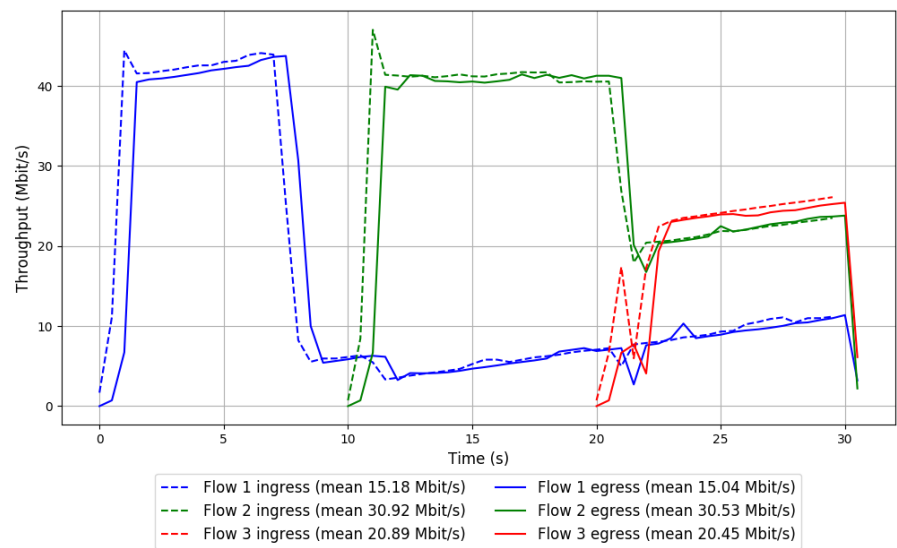
-- Flow 3:

Average throughput: 20.45 Mbit/s

95th percentile per-packet one-way delay: 90.940 ms

Loss rate: 2.09%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 16:28:12

End at: 2018-07-24 16:28:42

Local clock offset: -7.057 ms

Remote clock offset: 6.264 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.07 Mbit/s

95th percentile per-packet one-way delay: 97.705 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 10.41 Mbit/s

95th percentile per-packet one-way delay: 106.791 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 94.692 ms

Loss rate: 0.56%

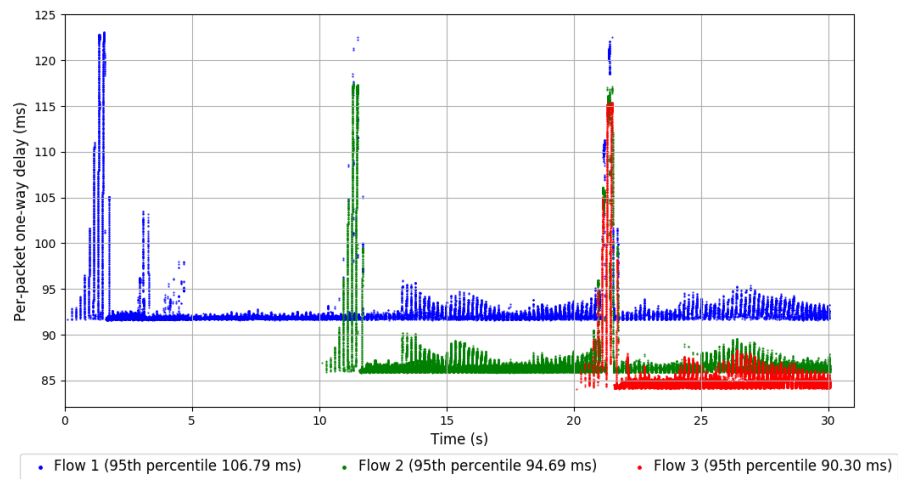
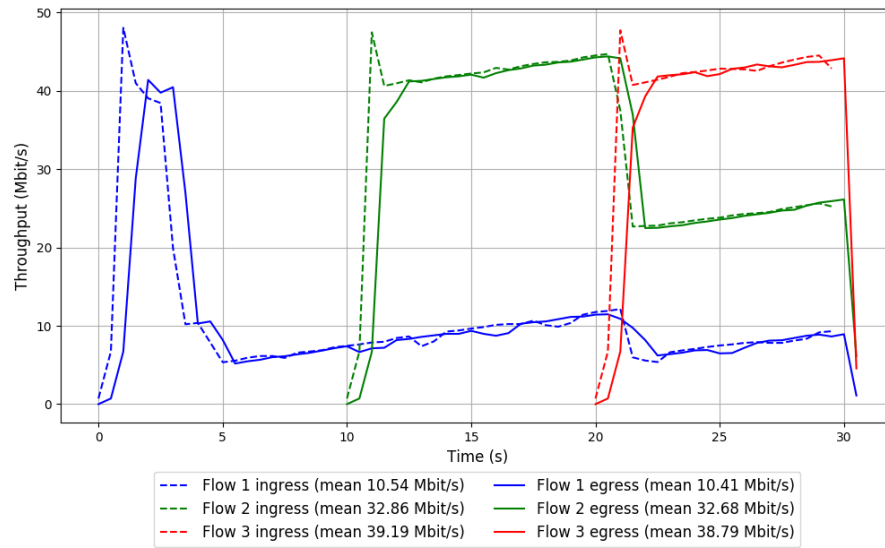
-- Flow 3:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 90.300 ms

Loss rate: 1.01%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 16:49:25

End at: 2018-07-24 16:49:55

Local clock offset: -3.311 ms

Remote clock offset: 1.877 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.70 Mbit/s

95th percentile per-packet one-way delay: 87.363 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 84.041 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 23.21 Mbit/s

95th percentile per-packet one-way delay: 85.909 ms

Loss rate: 0.83%

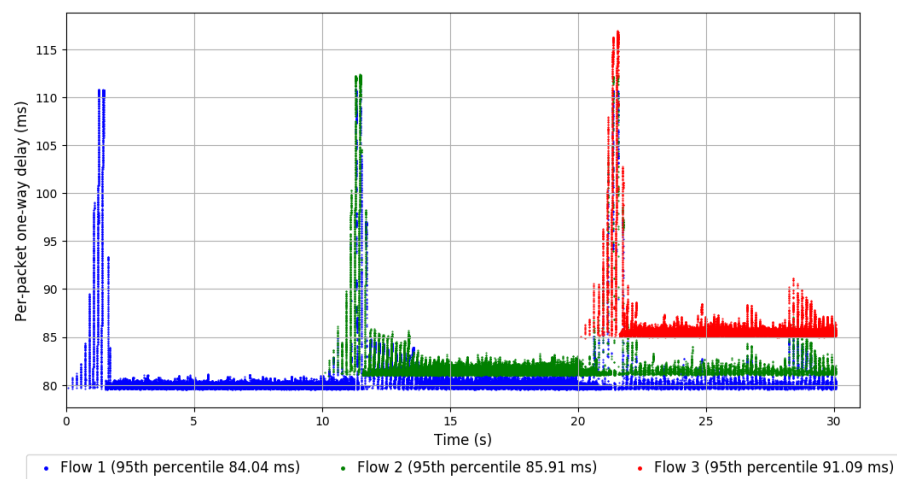
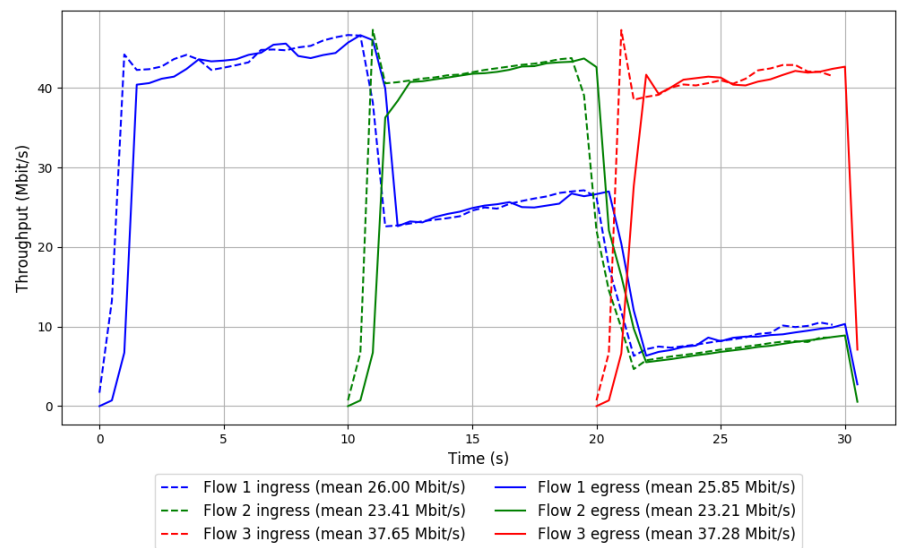
-- Flow 3:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 91.089 ms

Loss rate: 1.04%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 17:10:44

End at: 2018-07-24 17:11:14

Local clock offset: -5.652 ms

Remote clock offset: 8.161 ms

Below is generated by plot.py at 2018-07-24 18:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.58 Mbit/s

95th percentile per-packet one-way delay: 95.370 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 25.59 Mbit/s

95th percentile per-packet one-way delay: 94.784 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 96.144 ms

Loss rate: 0.61%

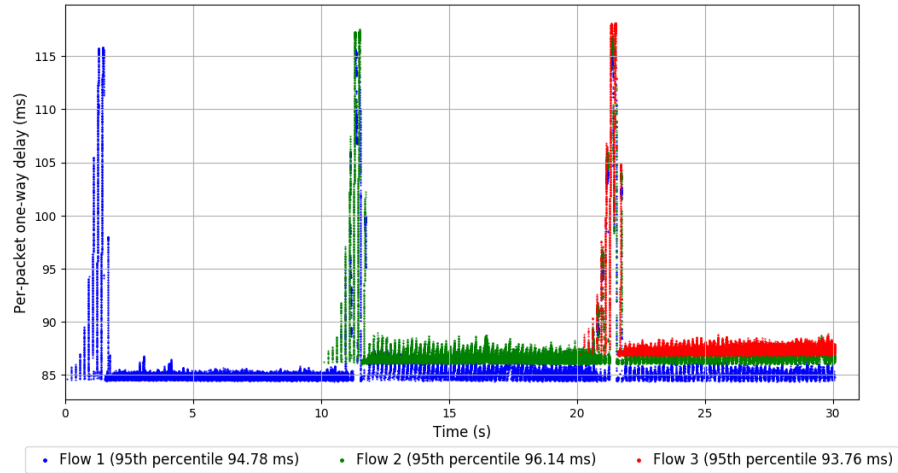
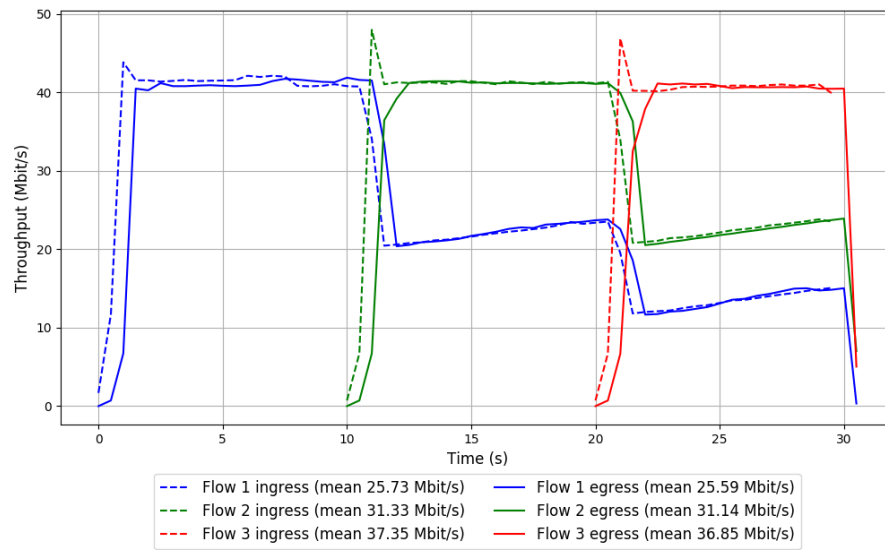
-- Flow 3:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 93.761 ms

Loss rate: 1.36%

Run 8: Report of TCP Vegas — Data Link

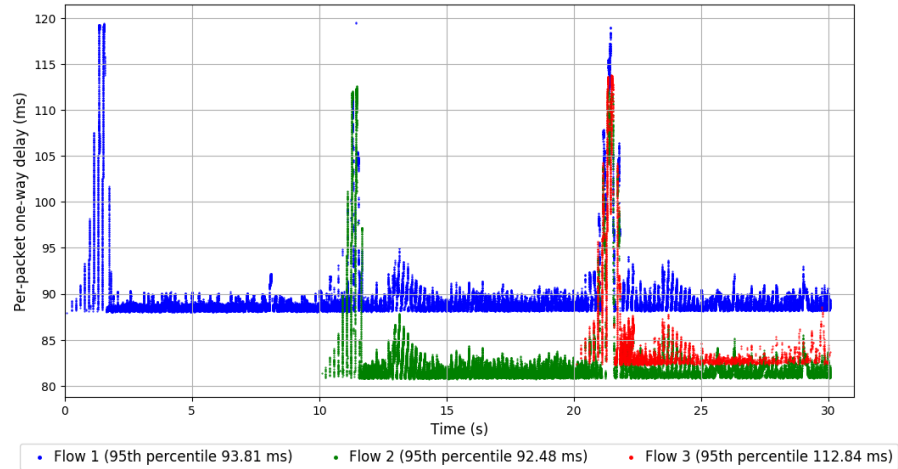
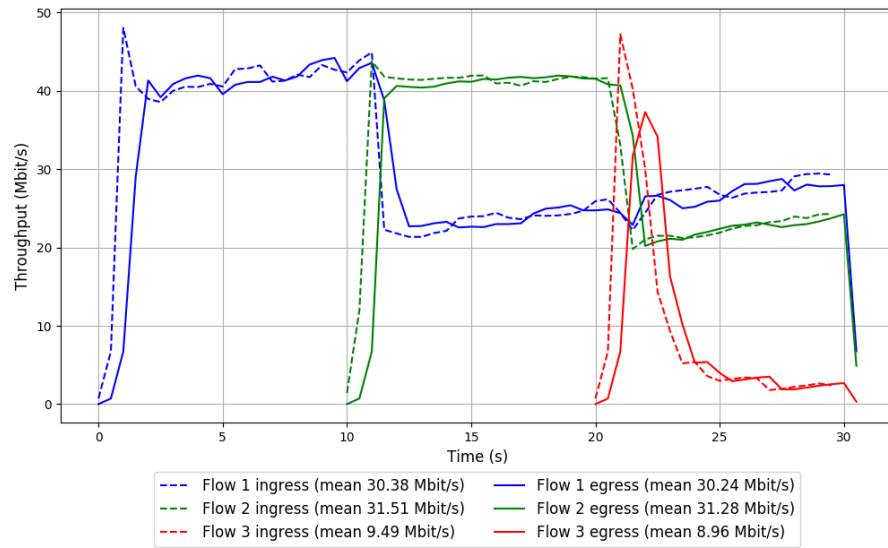


Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 17:31:56
End at: 2018-07-24 17:32:26
Local clock offset: -7.504 ms
Remote clock offset: 10.618 ms

Below is generated by plot.py at 2018-07-24 18:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 96.229 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 93.813 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 92.476 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 112.839 ms
Loss rate: 5.61%

Run 9: Report of TCP Vegas — Data Link

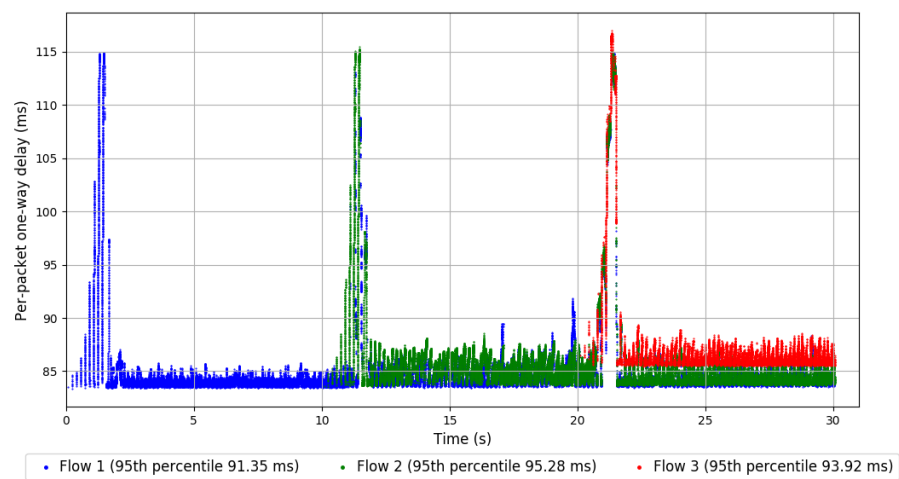
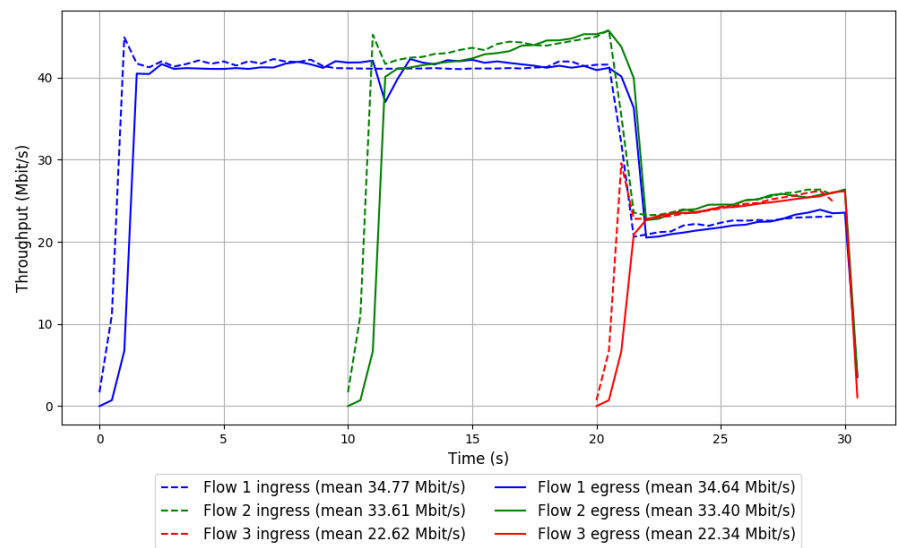


Run 10: Statistics of TCP Vegas

Start at: 2018-07-24 17:53:04
End at: 2018-07-24 17:53:34
Local clock offset: -2.64 ms
Remote clock offset: 16.427 ms

Below is generated by plot.py at 2018-07-24 18:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 93.597 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 91.354 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 95.279 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 93.919 ms
Loss rate: 1.24%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-24 14:22:05

End at: 2018-07-24 14:22:35

Local clock offset: -2.245 ms

Remote clock offset: 2.644 ms

Below is generated by plot.py at 2018-07-24 18:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 186.934 ms

Loss rate: 89.67%

-- Flow 1:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 186.937 ms

Loss rate: 89.67%

-- Flow 2:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 123.297 ms

Loss rate: 68.63%

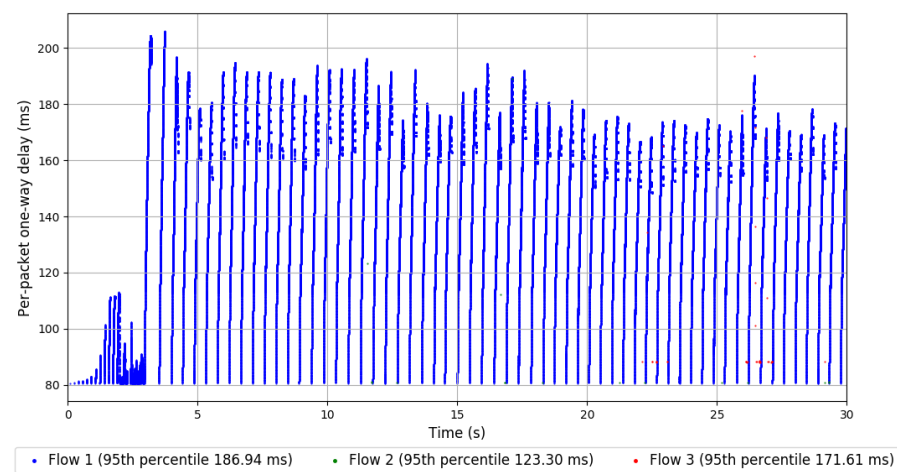
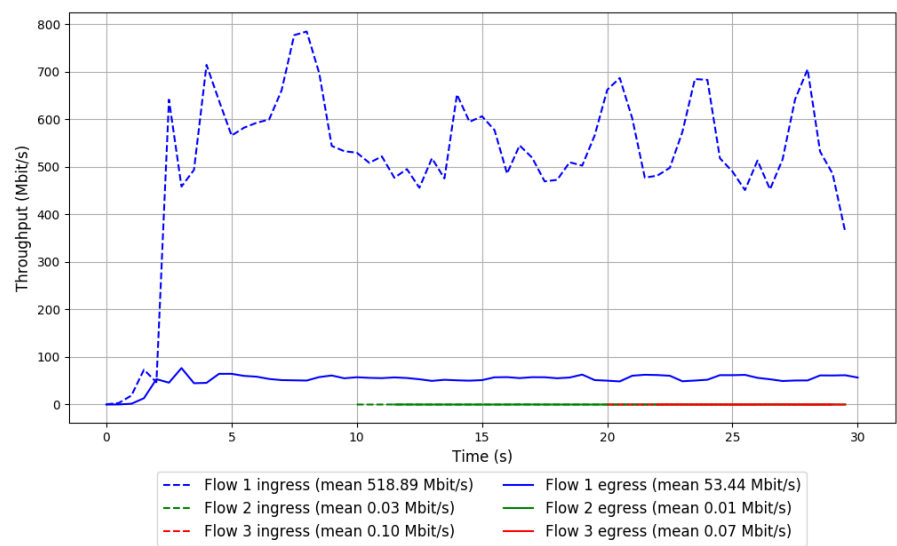
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 171.612 ms

Loss rate: 46.15%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-24 14:43:22

End at: 2018-07-24 14:43:52

Local clock offset: -5.408 ms

Remote clock offset: 6.658 ms

Below is generated by plot.py at 2018-07-24 18:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.36 Mbit/s

95th percentile per-packet one-way delay: 156.860 ms

Loss rate: 60.69%

-- Flow 1:

Average throughput: 27.51 Mbit/s

95th percentile per-packet one-way delay: 164.614 ms

Loss rate: 72.18%

-- Flow 2:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 114.122 ms

Loss rate: 19.13%

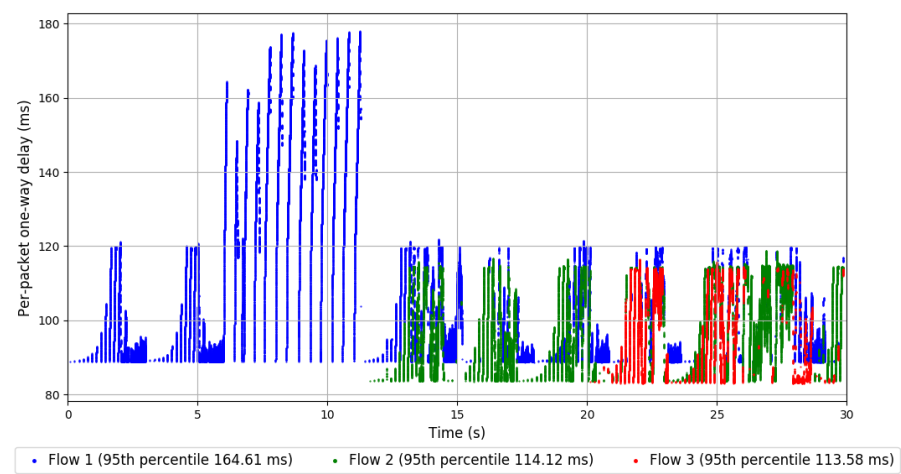
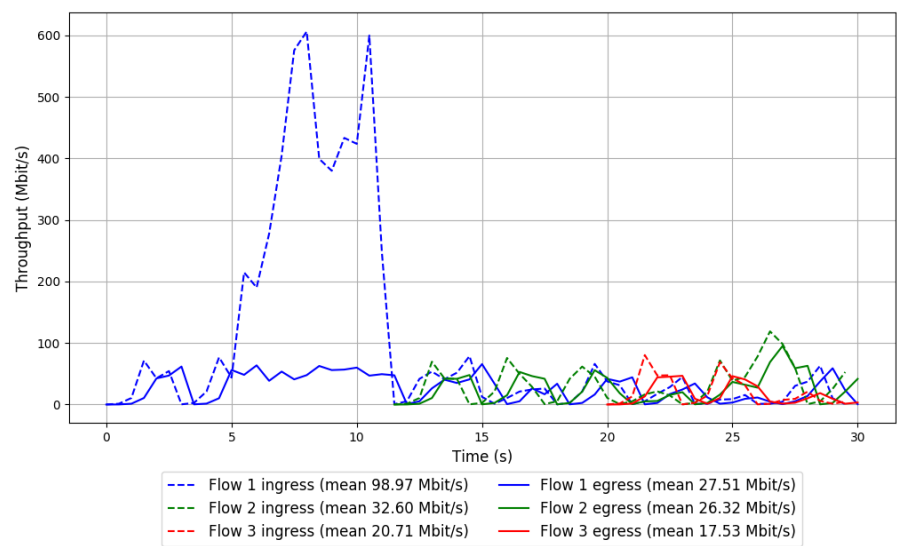
-- Flow 3:

Average throughput: 17.53 Mbit/s

95th percentile per-packet one-way delay: 113.583 ms

Loss rate: 15.10%

Run 2: Report of Verus — Data Link

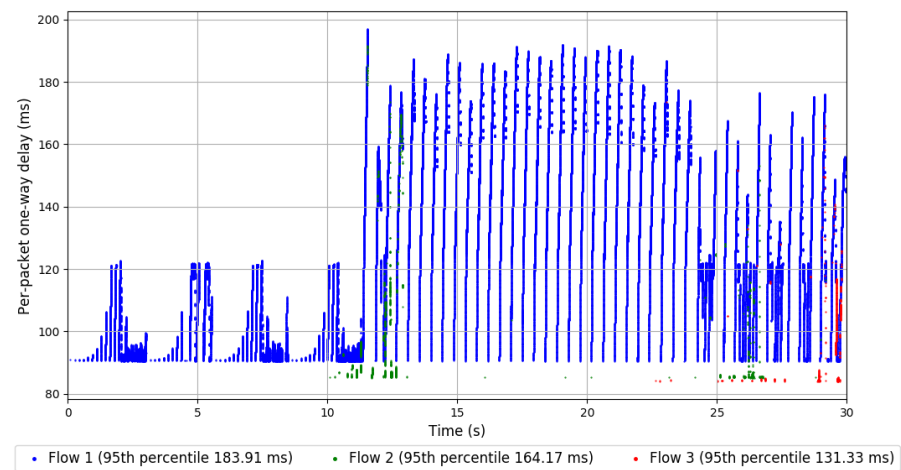
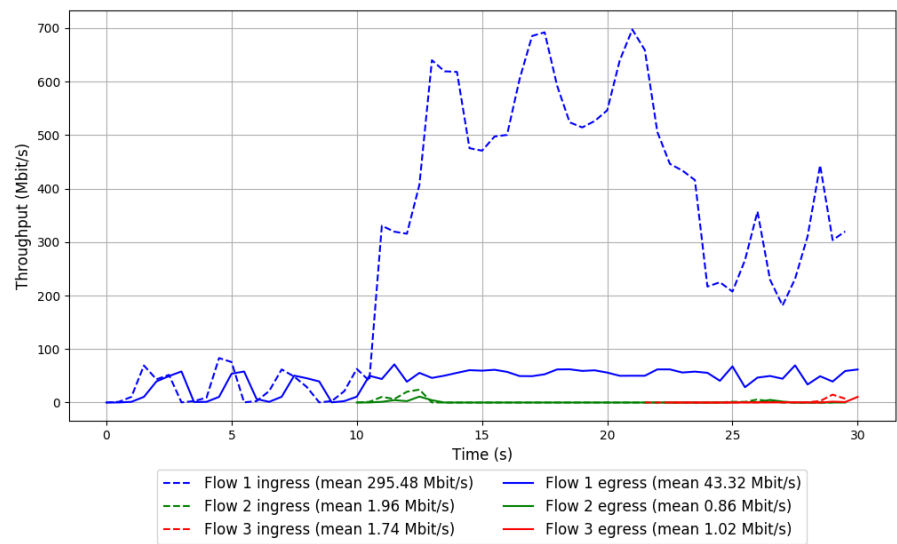


Run 3: Statistics of Verus

Start at: 2018-07-24 15:04:35
End at: 2018-07-24 15:05:05
Local clock offset: -5.459 ms
Remote clock offset: 9.326 ms

Below is generated by plot.py at 2018-07-24 18:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 183.792 ms
Loss rate: 85.13%
-- Flow 1:
Average throughput: 43.32 Mbit/s
95th percentile per-packet one-way delay: 183.910 ms
Loss rate: 85.31%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 164.173 ms
Loss rate: 55.77%
-- Flow 3:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 131.329 ms
Loss rate: 48.16%

Run 3: Report of Verus — Data Link

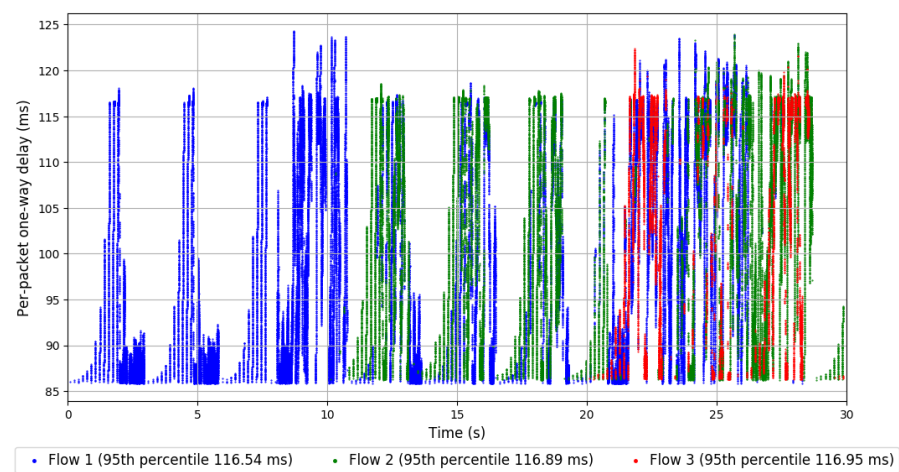
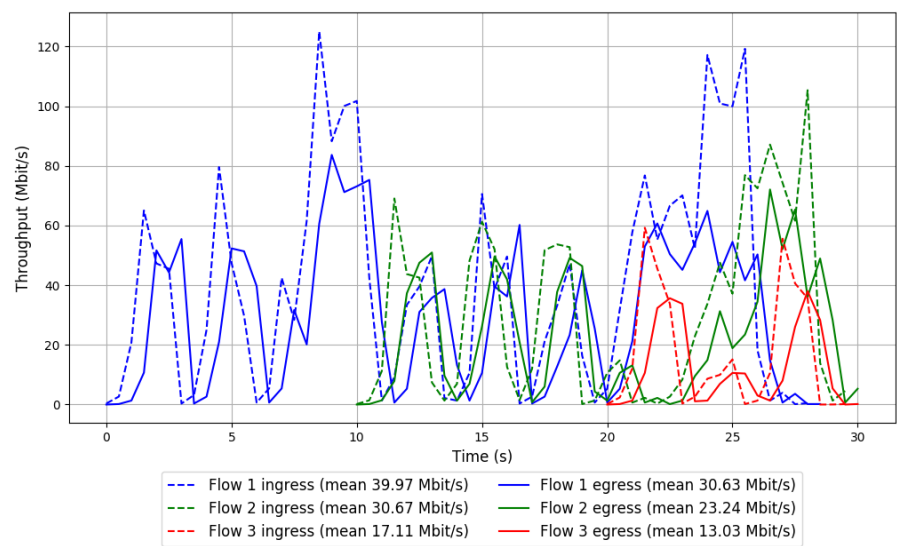


Run 4: Statistics of Verus

Start at: 2018-07-24 15:25:49
End at: 2018-07-24 15:26:19
Local clock offset: -1.303 ms
Remote clock offset: 18.568 ms

Below is generated by plot.py at 2018-07-24 18:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 116.806 ms
Loss rate: 23.93%
-- Flow 1:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 116.544 ms
Loss rate: 23.80%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 116.893 ms
Loss rate: 24.19%
-- Flow 3:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 116.948 ms
Loss rate: 23.82%

Run 4: Report of Verus — Data Link

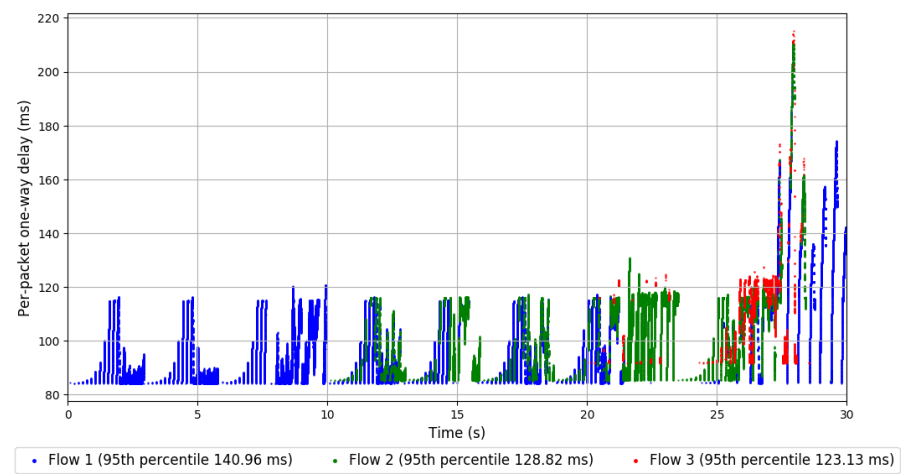
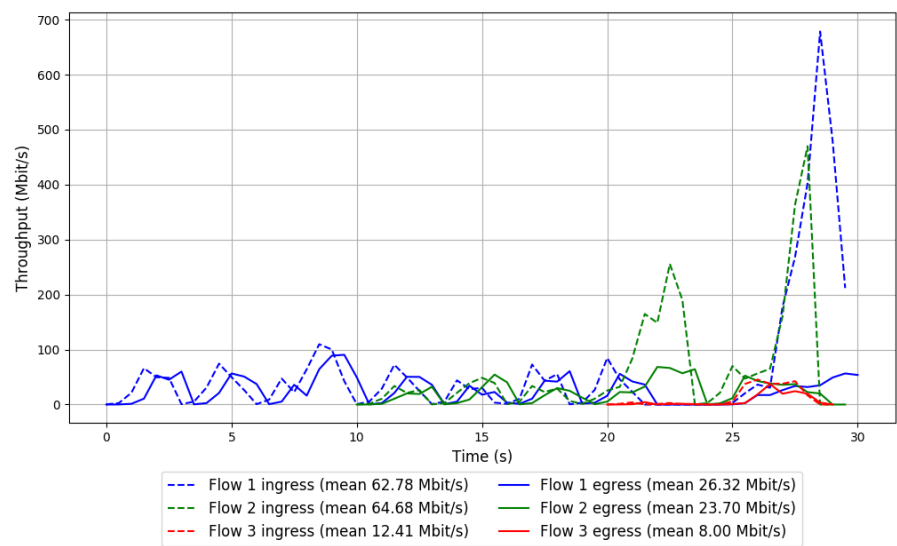


Run 5: Statistics of Verus

Start at: 2018-07-24 15:46:58
End at: 2018-07-24 15:47:28
Local clock offset: -6.588 ms
Remote clock offset: 10.838 ms

Below is generated by plot.py at 2018-07-24 18:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 138.339 ms
Loss rate: 59.63%
-- Flow 1:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 140.959 ms
Loss rate: 58.00%
-- Flow 2:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 128.817 ms
Loss rate: 63.67%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 123.132 ms
Loss rate: 42.49%

Run 5: Report of Verus — Data Link

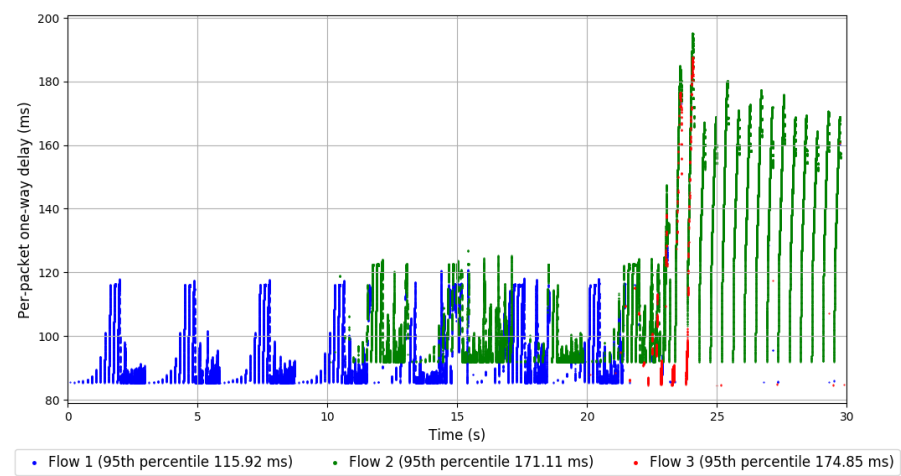
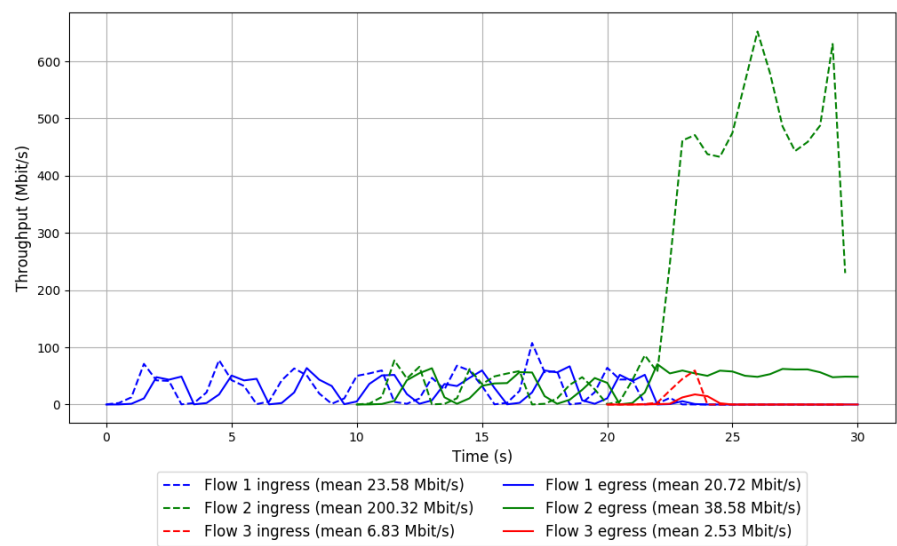


Run 6: Statistics of Verus

Start at: 2018-07-24 16:08:12
End at: 2018-07-24 16:08:42
Local clock offset: -7.432 ms
Remote clock offset: 7.182 ms

Below is generated by plot.py at 2018-07-24 18:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.88 Mbit/s
95th percentile per-packet one-way delay: 166.826 ms
Loss rate: 70.19%
-- Flow 1:
Average throughput: 20.72 Mbit/s
95th percentile per-packet one-way delay: 115.915 ms
Loss rate: 11.89%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 171.106 ms
Loss rate: 80.68%
-- Flow 3:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 174.850 ms
Loss rate: 62.94%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-24 16:29:25

End at: 2018-07-24 16:29:55

Local clock offset: -7.07 ms

Remote clock offset: 1.305 ms

Below is generated by plot.py at 2018-07-24 18:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 112.243 ms

Loss rate: 17.97%

-- Flow 1:

Average throughput: 25.20 Mbit/s

95th percentile per-packet one-way delay: 112.564 ms

Loss rate: 18.74%

-- Flow 2:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 109.998 ms

Loss rate: 19.63%

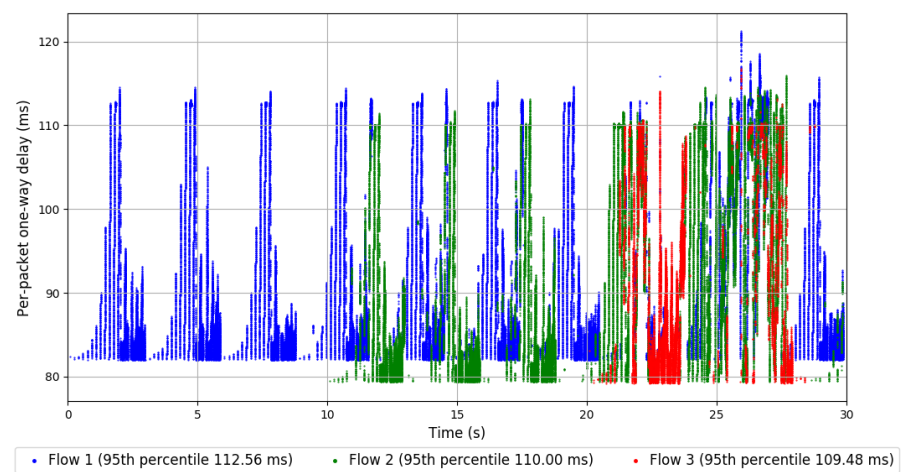
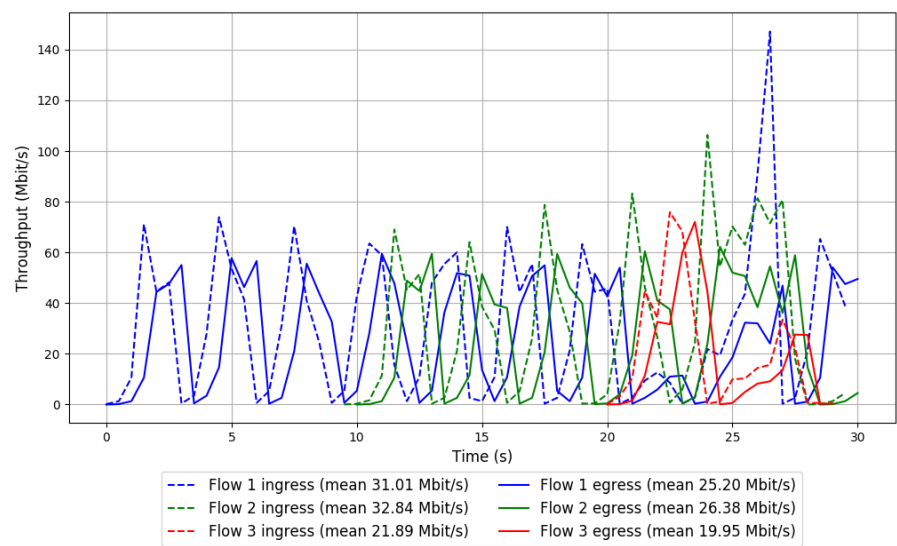
-- Flow 3:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 109.483 ms

Loss rate: 8.57%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-24 16:50:38

End at: 2018-07-24 16:51:08

Local clock offset: -3.127 ms

Remote clock offset: 5.837 ms

Below is generated by plot.py at 2018-07-24 18:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 158.359 ms

Loss rate: 74.14%

-- Flow 1:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 163.234 ms

Loss rate: 82.10%

-- Flow 2:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 137.745 ms

Loss rate: 53.68%

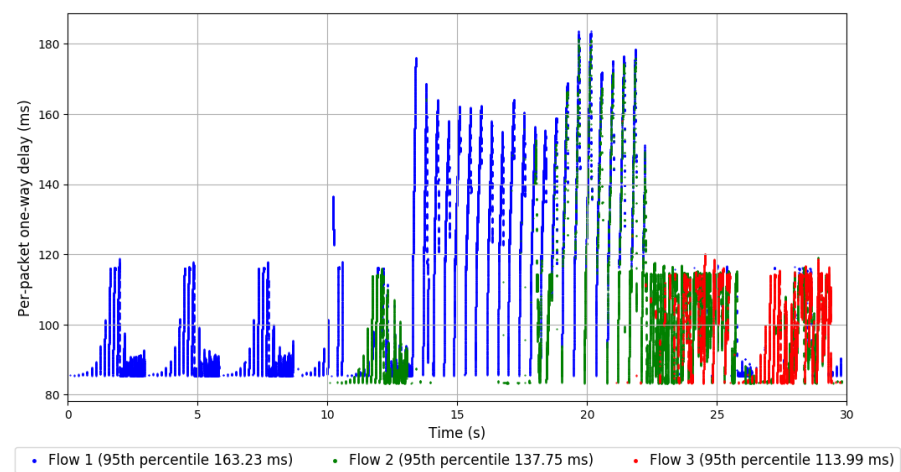
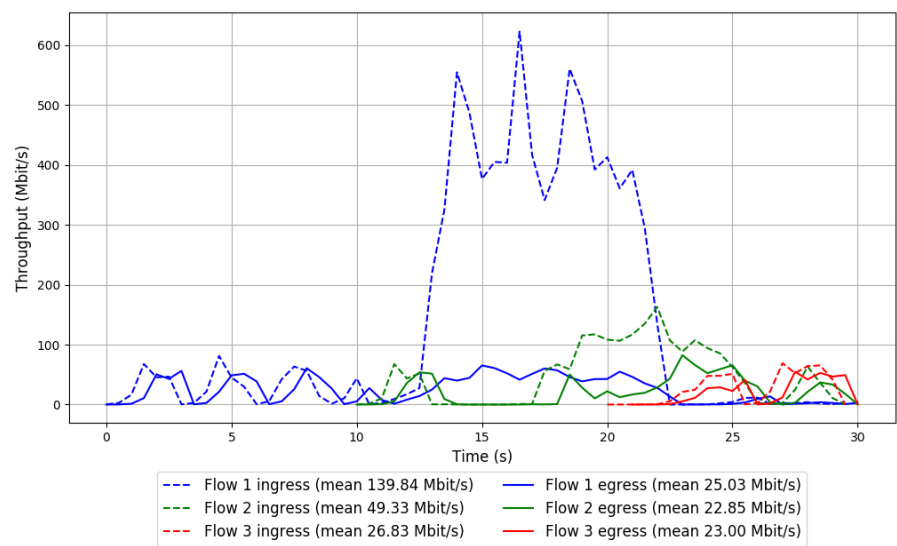
-- Flow 3:

Average throughput: 23.00 Mbit/s

95th percentile per-packet one-way delay: 113.986 ms

Loss rate: 23.18%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-24 17:11:57

End at: 2018-07-24 17:12:27

Local clock offset: -5.884 ms

Remote clock offset: 6.905 ms

Below is generated by plot.py at 2018-07-24 18:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.91 Mbit/s

95th percentile per-packet one-way delay: 169.591 ms

Loss rate: 74.12%

-- Flow 1:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 170.913 ms

Loss rate: 77.44%

-- Flow 2:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 114.451 ms

Loss rate: 33.72%

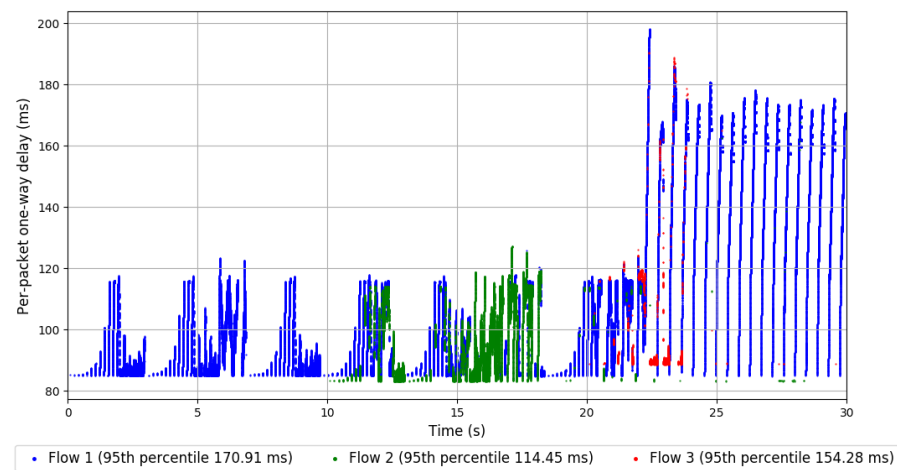
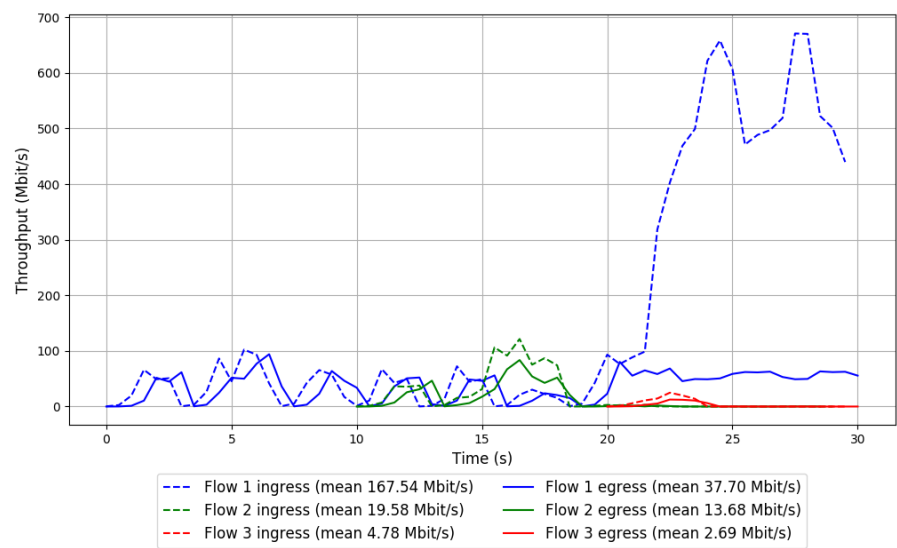
-- Flow 3:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 154.283 ms

Loss rate: 44.76%

Run 9: Report of Verus — Data Link

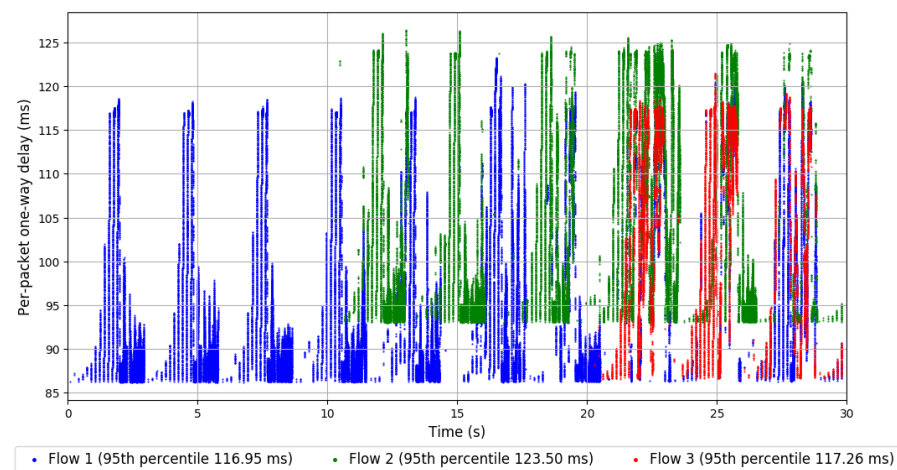
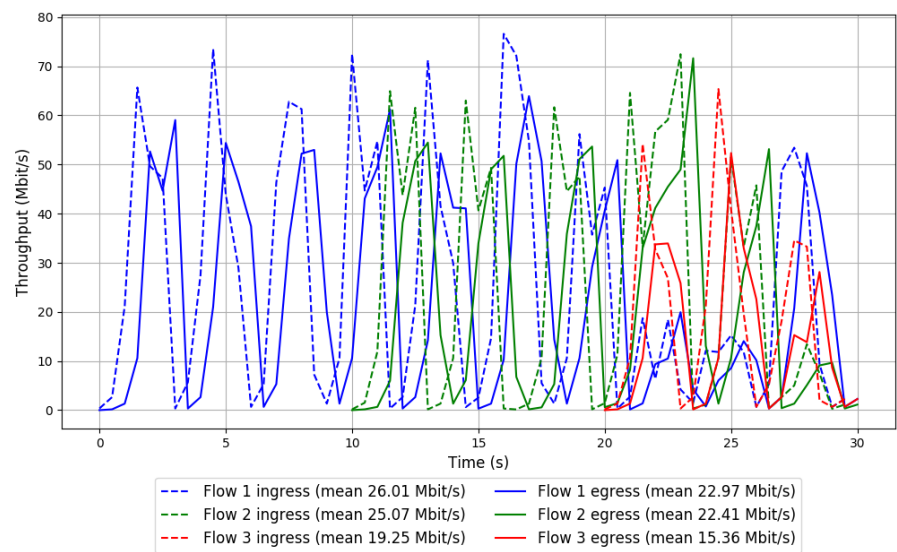


Run 10: Statistics of Verus

Start at: 2018-07-24 17:33:09
End at: 2018-07-24 17:33:39
Local clock offset: -6.916 ms
Remote clock offset: 15.831 ms

Below is generated by plot.py at 2018-07-24 18:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 120.794 ms
Loss rate: 12.42%
-- Flow 1:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 116.949 ms
Loss rate: 11.68%
-- Flow 2:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 123.503 ms
Loss rate: 10.63%
-- Flow 3:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 117.259 ms
Loss rate: 20.24%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 14:37:11

End at: 2018-07-24 14:37:41

Local clock offset: -3.983 ms

Remote clock offset: 3.536 ms

Below is generated by plot.py at 2018-07-24 18:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 106.920 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 64.78 Mbit/s

95th percentile per-packet one-way delay: 105.897 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 108.193 ms

Loss rate: 0.18%

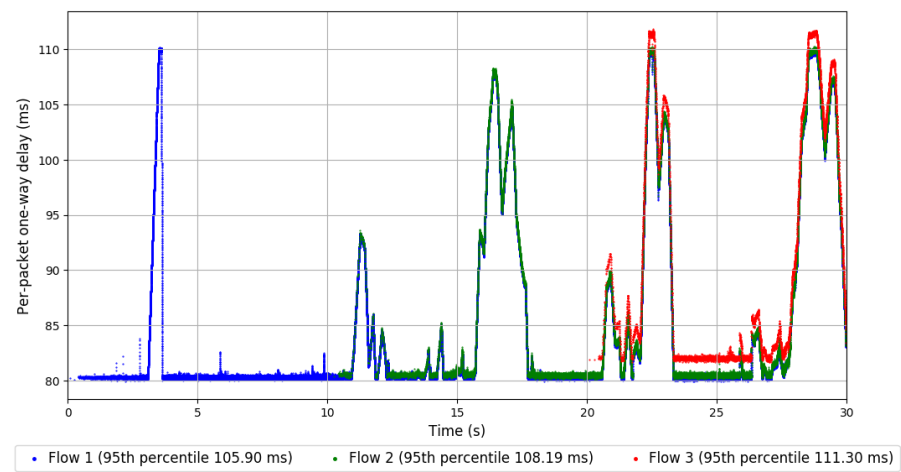
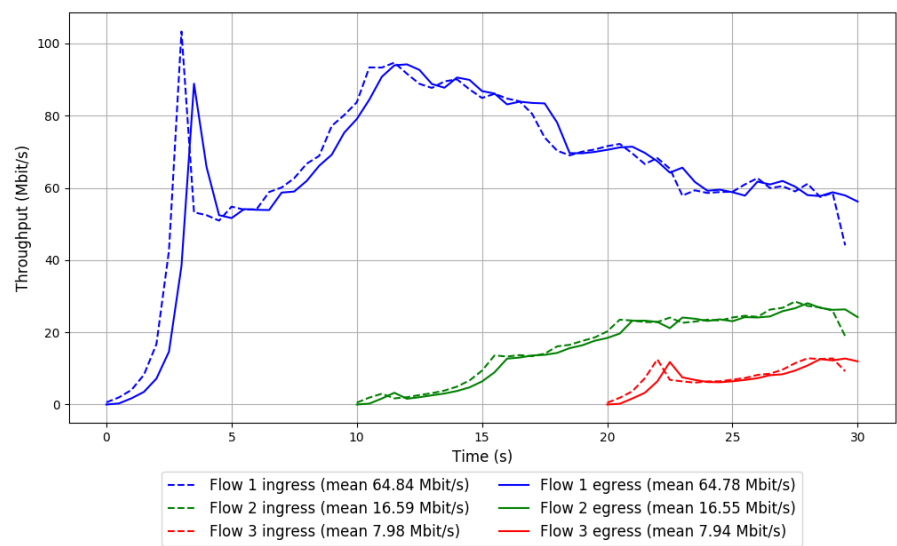
-- Flow 3:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 111.304 ms

Loss rate: 0.41%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 14:58:24

End at: 2018-07-24 14:58:54

Local clock offset: -6.845 ms

Remote clock offset: 2.825 ms

Below is generated by plot.py at 2018-07-24 18:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 105.693 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 68.50 Mbit/s

95th percentile per-packet one-way delay: 105.980 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 103.251 ms

Loss rate: 0.16%

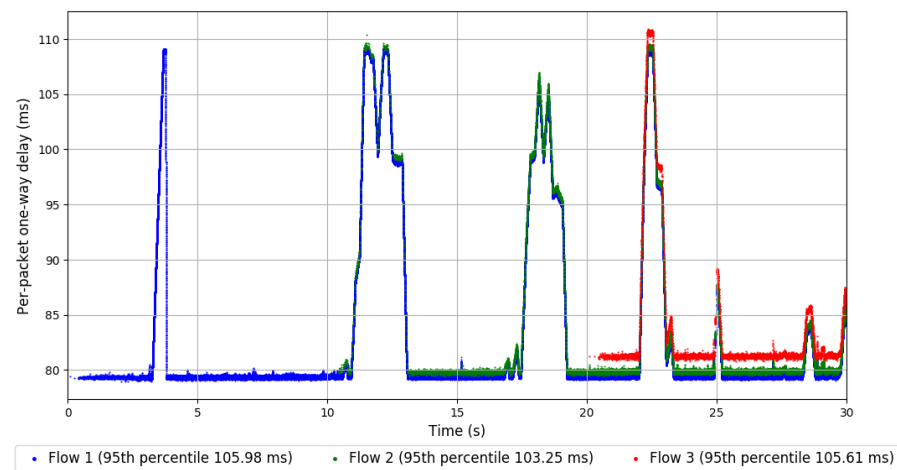
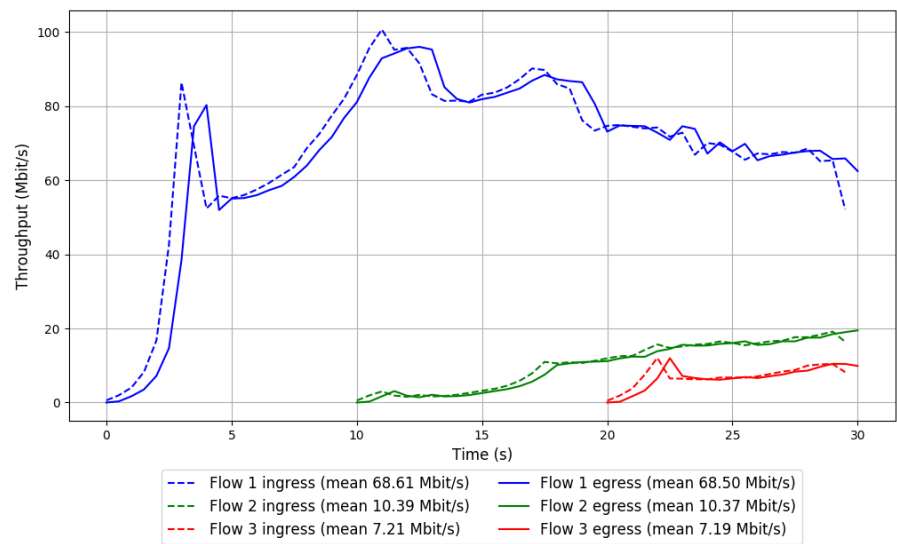
-- Flow 3:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 105.605 ms

Loss rate: 0.25%

Run 2: Report of PCC-Vivace — Data Link

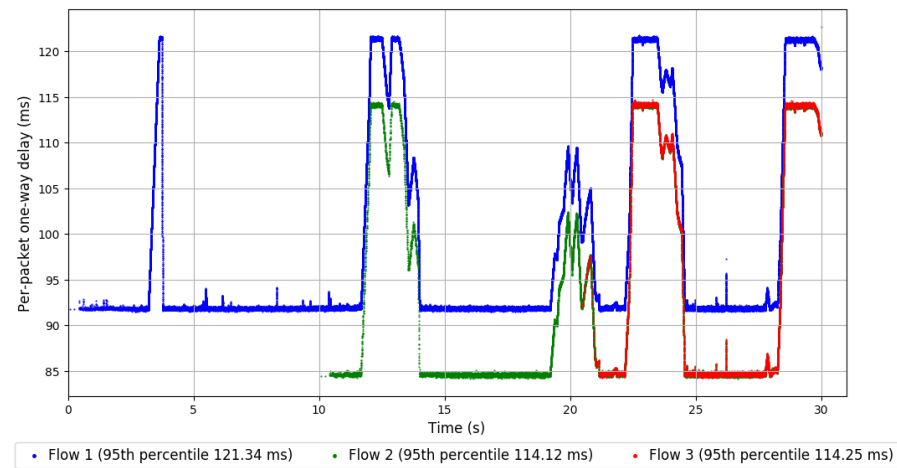
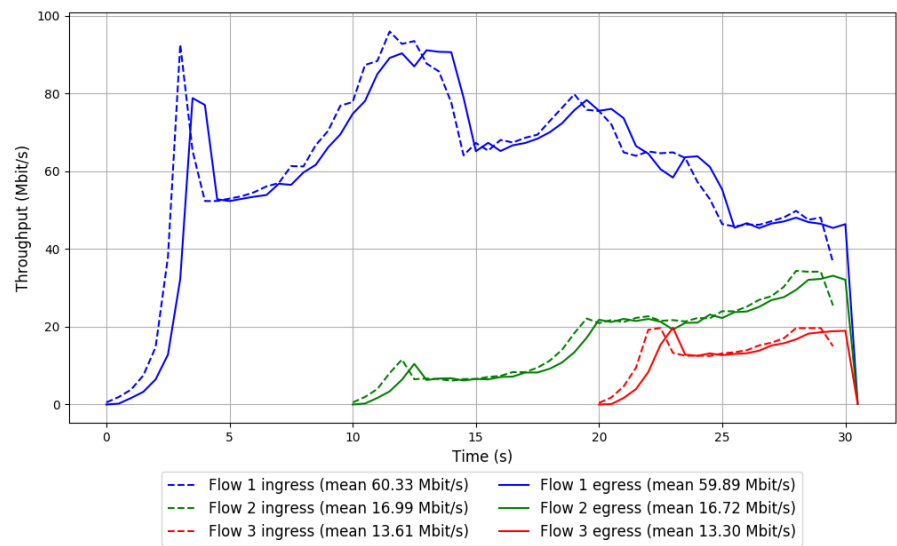


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 15:19:38
End at: 2018-07-24 15:20:08
Local clock offset: -1.888 ms
Remote clock offset: 17.272 ms

Below is generated by plot.py at 2018-07-24 18:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 121.307 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 59.89 Mbit/s
95th percentile per-packet one-way delay: 121.344 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 114.124 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 114.247 ms
Loss rate: 2.14%

Run 3: Report of PCC-Vivace — Data Link

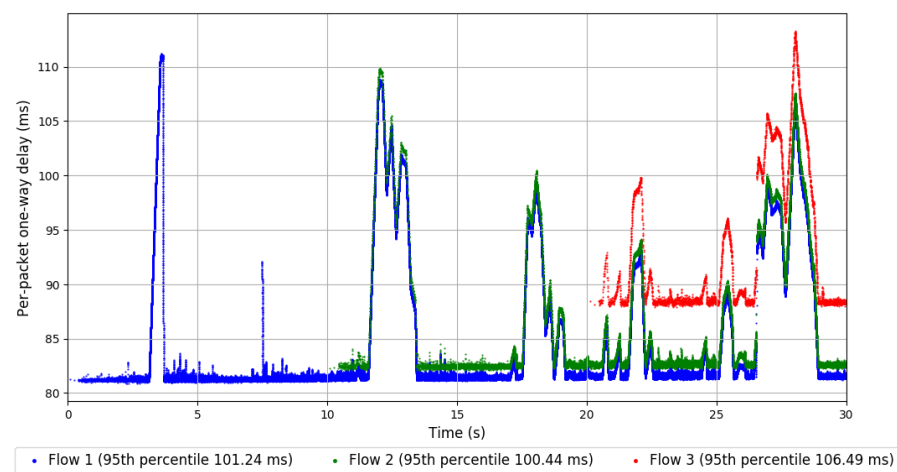
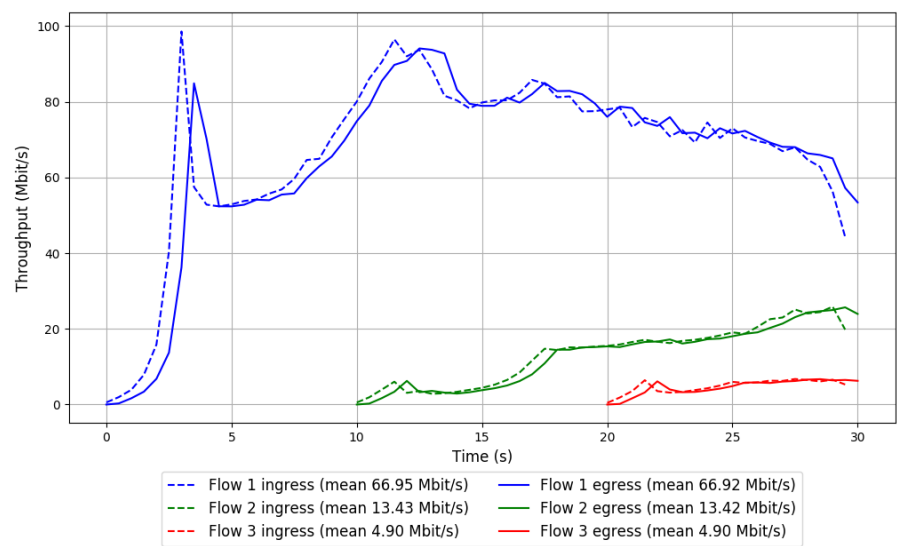


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 15:40:49
End at: 2018-07-24 15:41:19
Local clock offset: -5.256 ms
Remote clock offset: 10.765 ms

Below is generated by plot.py at 2018-07-24 18:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 101.381 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.92 Mbit/s
95th percentile per-packet one-way delay: 101.239 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 100.437 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 106.492 ms
Loss rate: 0.14%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 16:02:02

End at: 2018-07-24 16:02:32

Local clock offset: -8.022 ms

Remote clock offset: 7.737 ms

Below is generated by plot.py at 2018-07-24 18:16:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 109.294 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 110.674 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 96.165 ms

Loss rate: 0.17%

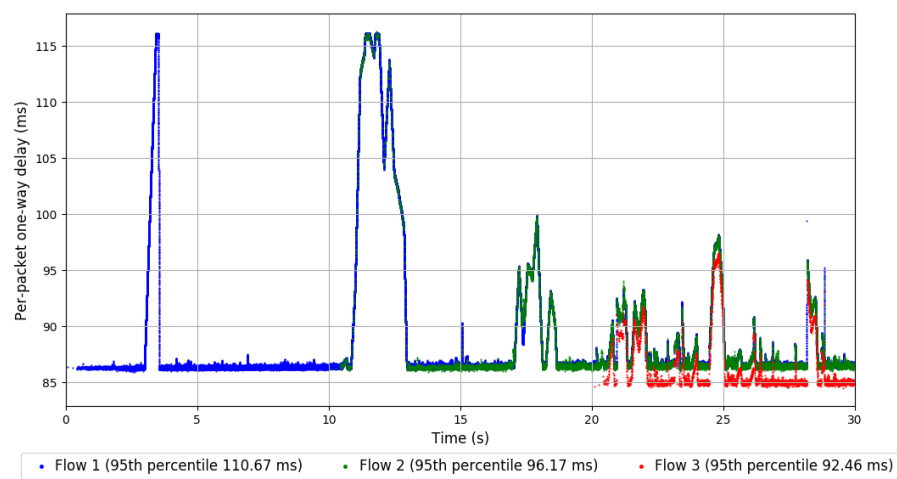
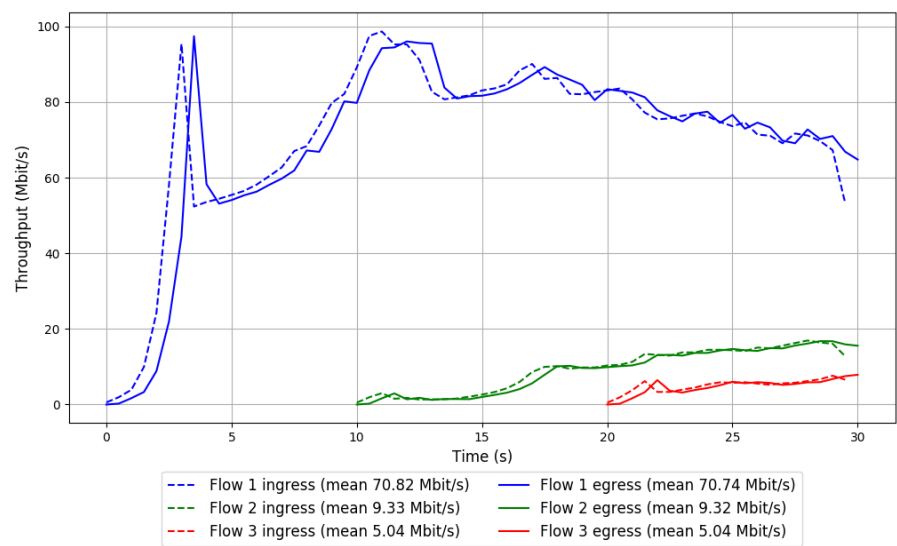
-- Flow 3:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 92.456 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 16:23:15

End at: 2018-07-24 16:23:45

Local clock offset: -7.027 ms

Remote clock offset: 1.428 ms

Below is generated by plot.py at 2018-07-24 18:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.87 Mbit/s

95th percentile per-packet one-way delay: 108.761 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 65.07 Mbit/s

95th percentile per-packet one-way delay: 108.707 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 108.960 ms

Loss rate: 0.60%

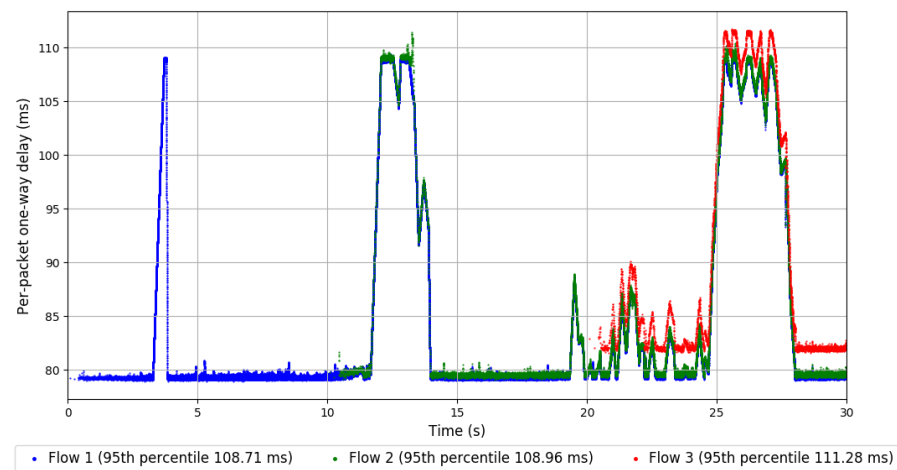
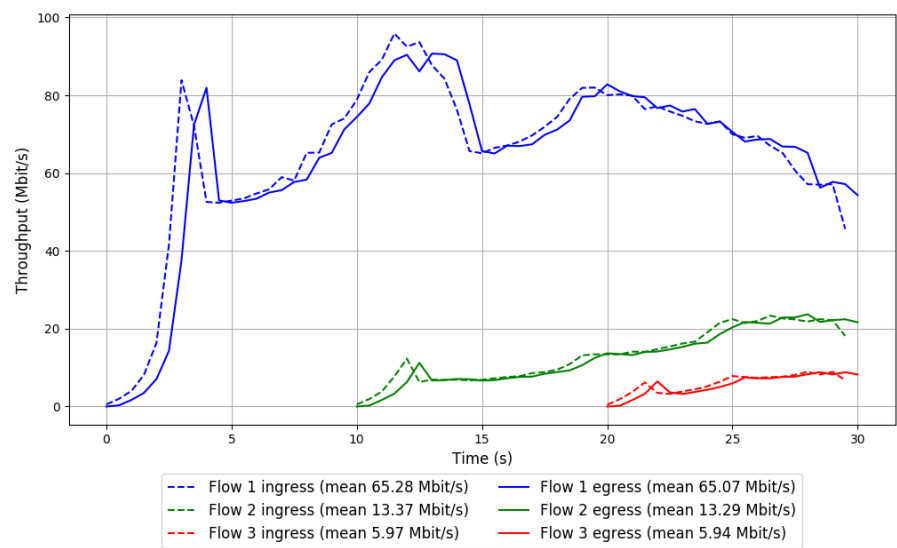
-- Flow 3:

Average throughput: 5.94 Mbit/s

95th percentile per-packet one-way delay: 111.279 ms

Loss rate: 0.58%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 16:44:28

End at: 2018-07-24 16:44:58

Local clock offset: -3.773 ms

Remote clock offset: 0.969 ms

Below is generated by plot.py at 2018-07-24 18:17:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.06 Mbit/s

95th percentile per-packet one-way delay: 111.290 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 59.80 Mbit/s

95th percentile per-packet one-way delay: 109.049 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 19.70 Mbit/s

95th percentile per-packet one-way delay: 111.822 ms

Loss rate: 1.61%

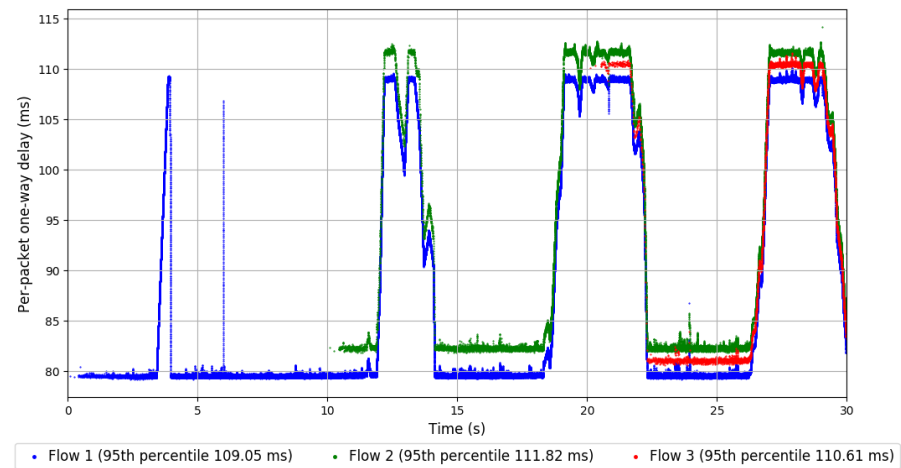
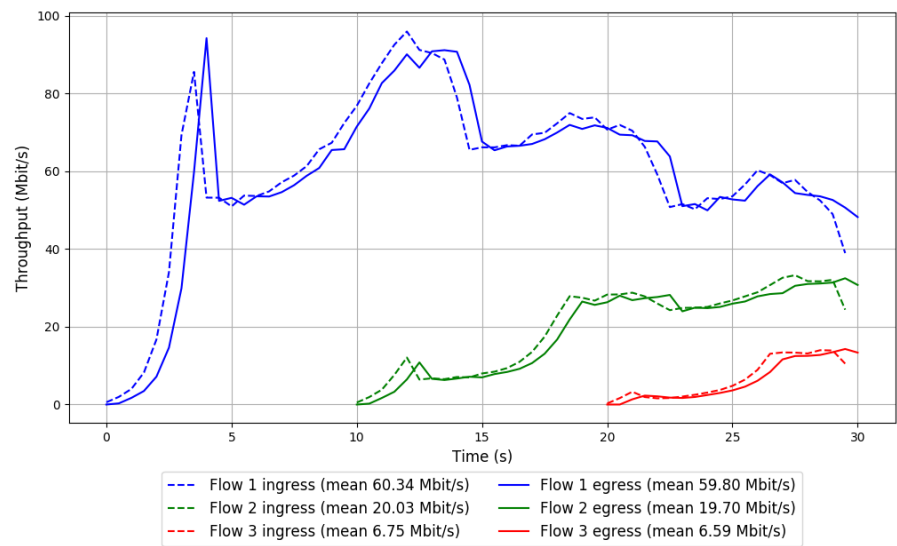
-- Flow 3:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 110.605 ms

Loss rate: 2.64%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 17:05:49

End at: 2018-07-24 17:06:19

Local clock offset: -4.347 ms

Remote clock offset: 9.013 ms

Below is generated by plot.py at 2018-07-24 18:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 113.077 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 113.250 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 106.419 ms

Loss rate: 0.01%

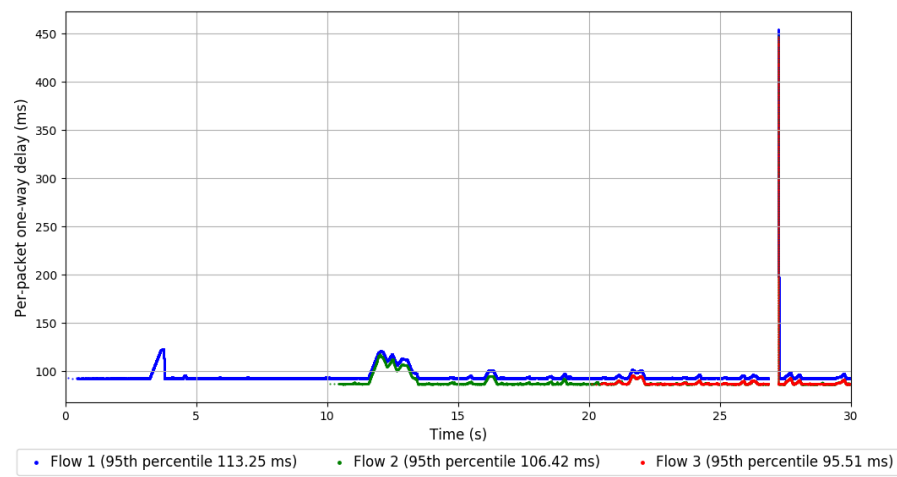
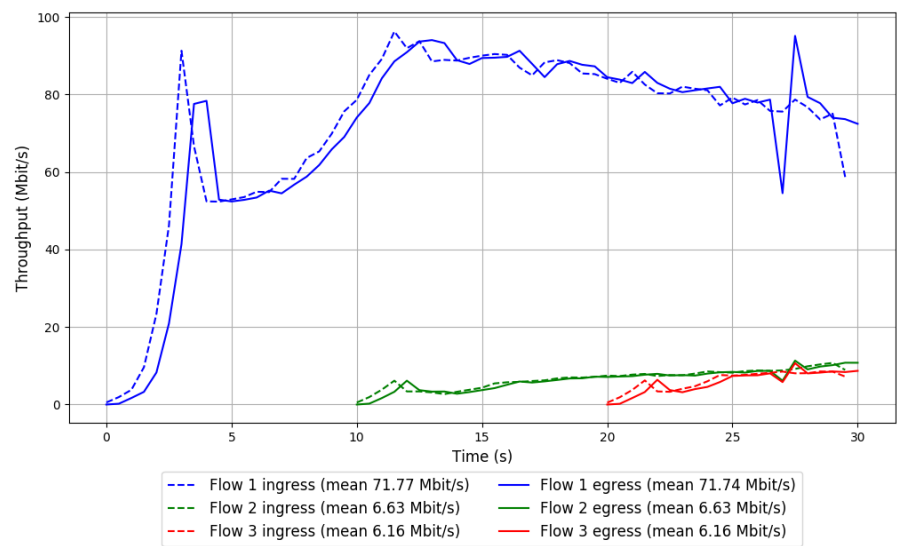
-- Flow 3:

Average throughput: 6.16 Mbit/s

95th percentile per-packet one-way delay: 95.511 ms

Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 17:26:58

End at: 2018-07-24 17:27:28

Local clock offset: -7.464 ms

Remote clock offset: 7.986 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.89 Mbit/s

95th percentile per-packet one-way delay: 109.725 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 65.52 Mbit/s

95th percentile per-packet one-way delay: 109.736 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 110.409 ms

Loss rate: 0.56%

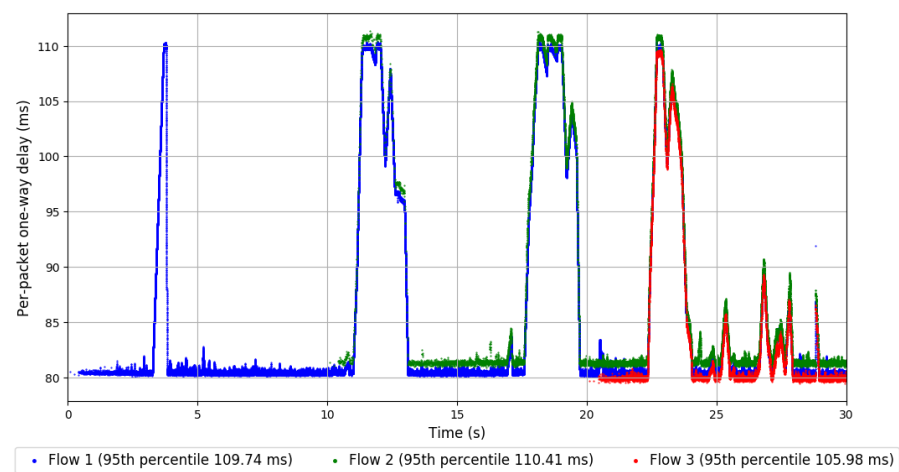
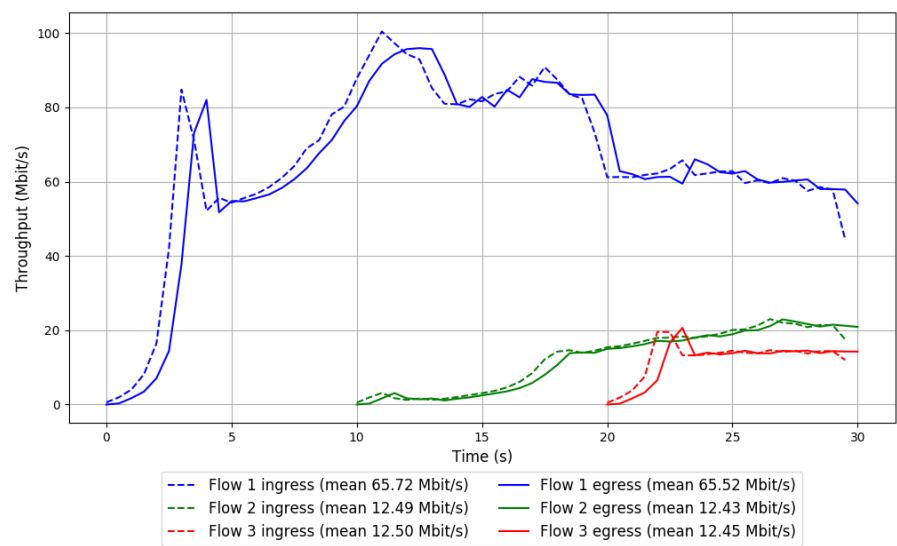
-- Flow 3:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 105.977 ms

Loss rate: 0.44%

Run 9: Report of PCC-Vivace — Data Link

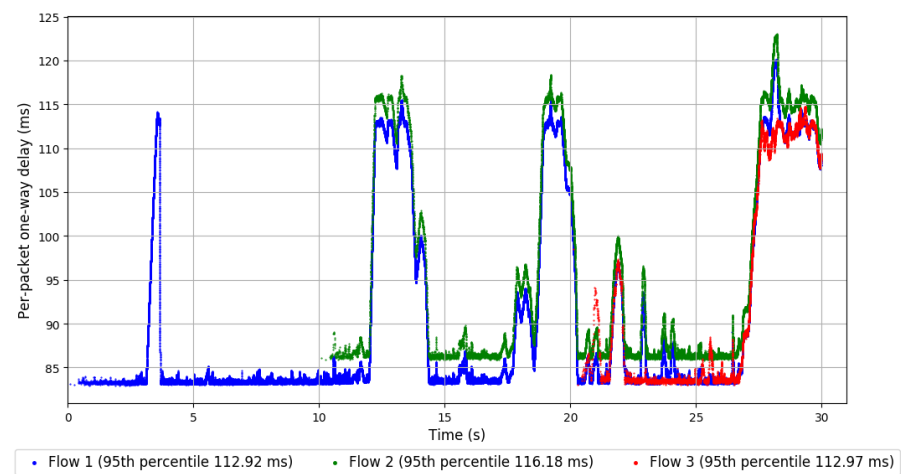
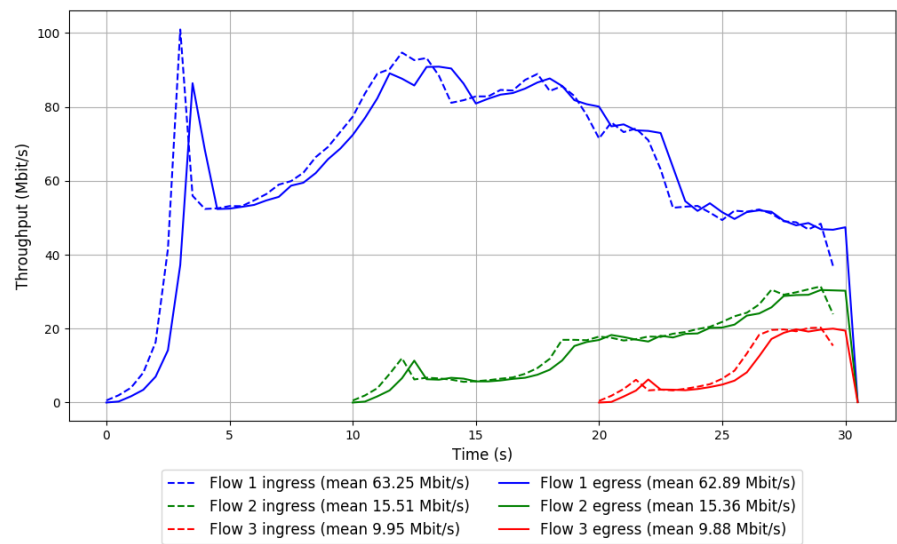


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 17:48:06
End at: 2018-07-24 17:48:36
Local clock offset: -3.15 ms
Remote clock offset: 16.106 ms

Below is generated by plot.py at 2018-07-24 18:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 113.959 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 112.916 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 116.177 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 112.974 ms
Loss rate: 0.53%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-24 14:29:53

End at: 2018-07-24 14:30:23

Local clock offset: -1.639 ms

Remote clock offset: 2.974 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 86.923 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 87.766 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 82.309 ms

Loss rate: 0.00%

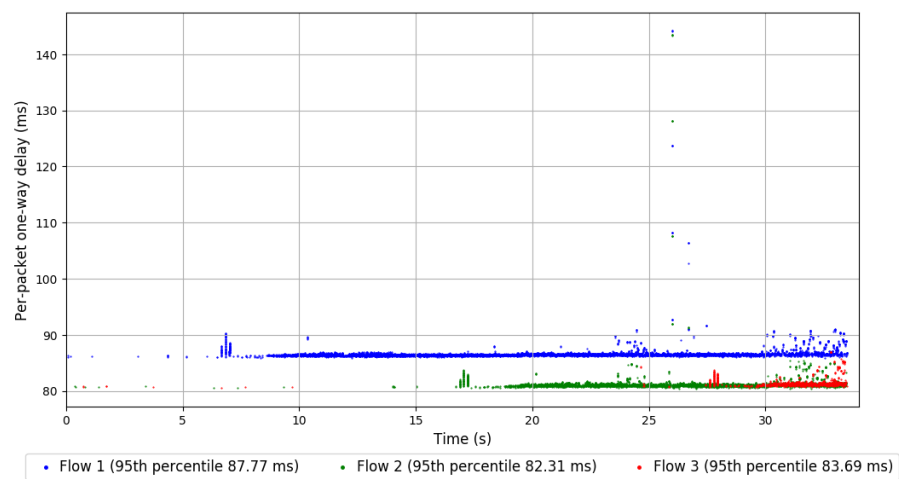
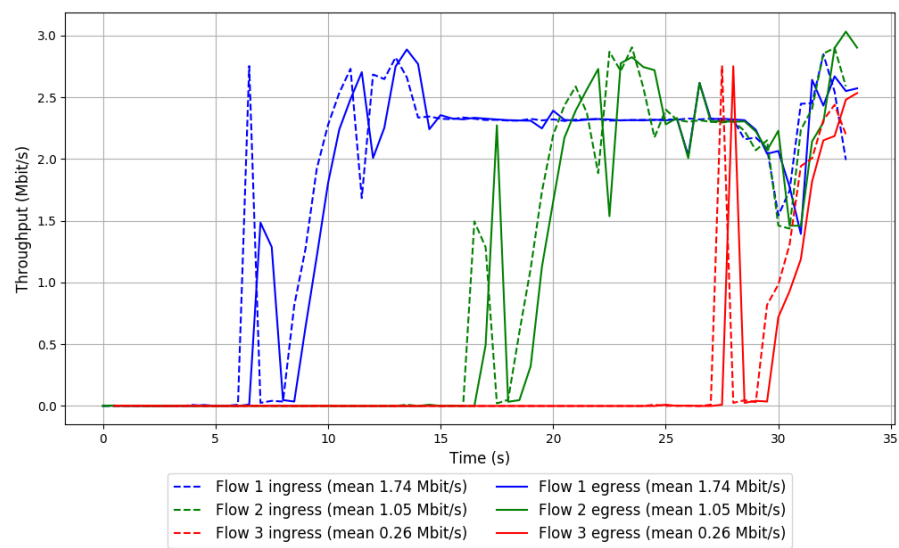
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 83.689 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-24 14:51:04

End at: 2018-07-24 14:51:34

Local clock offset: -6.35 ms

Remote clock offset: 7.903 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 92.202 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 87.238 ms

Loss rate: 0.00%

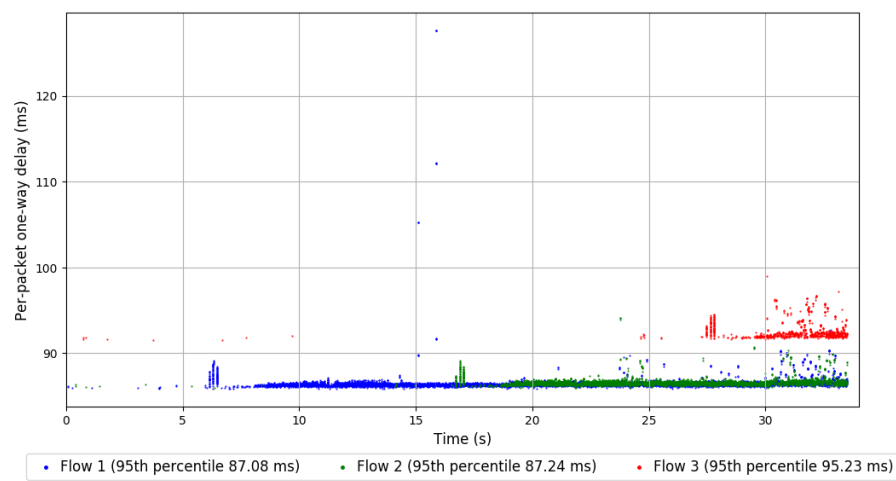
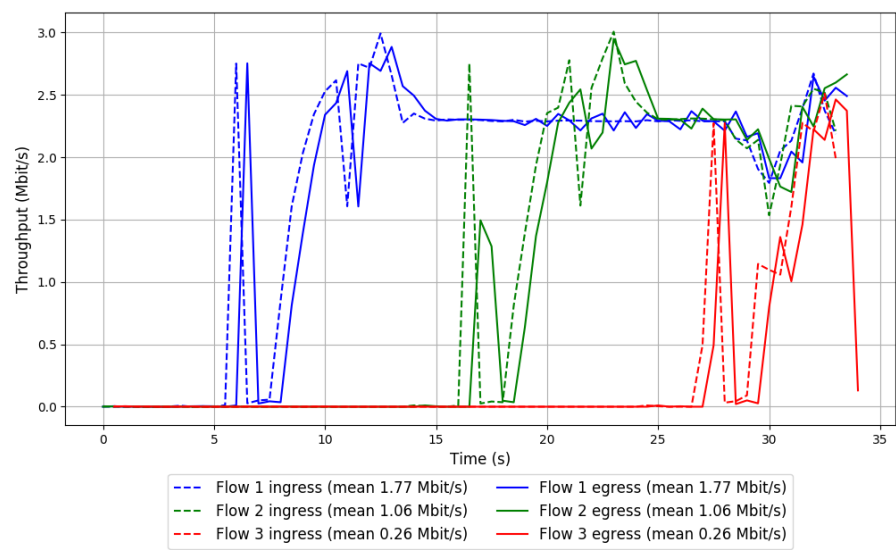
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 95.227 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

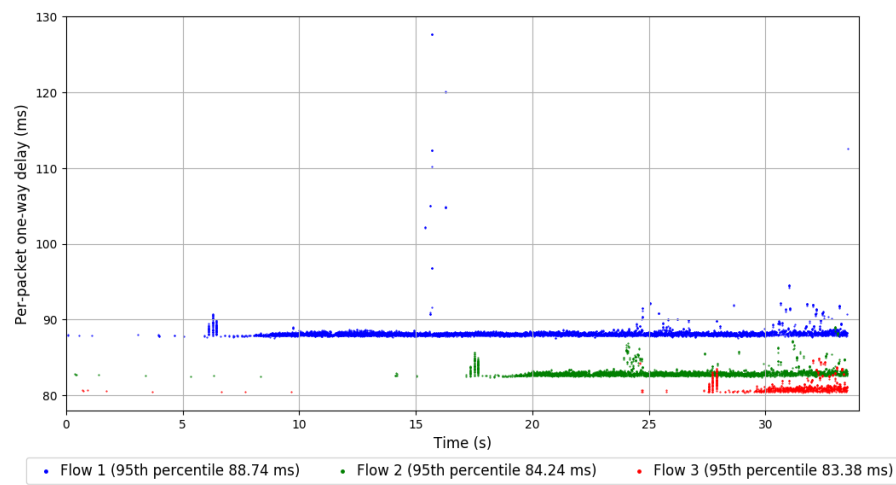
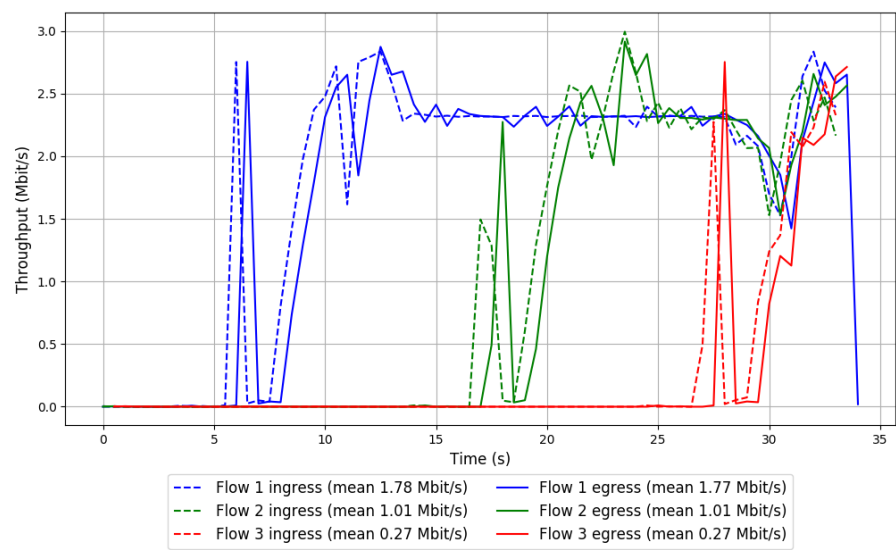


Run 3: Statistics of WebRTC media

Start at: 2018-07-24 15:12:19
End at: 2018-07-24 15:12:49
Local clock offset: -2.992 ms
Remote clock offset: 10.797 ms

Below is generated by plot.py at 2018-07-24 18:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 88.486 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 88.742 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 84.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 83.381 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

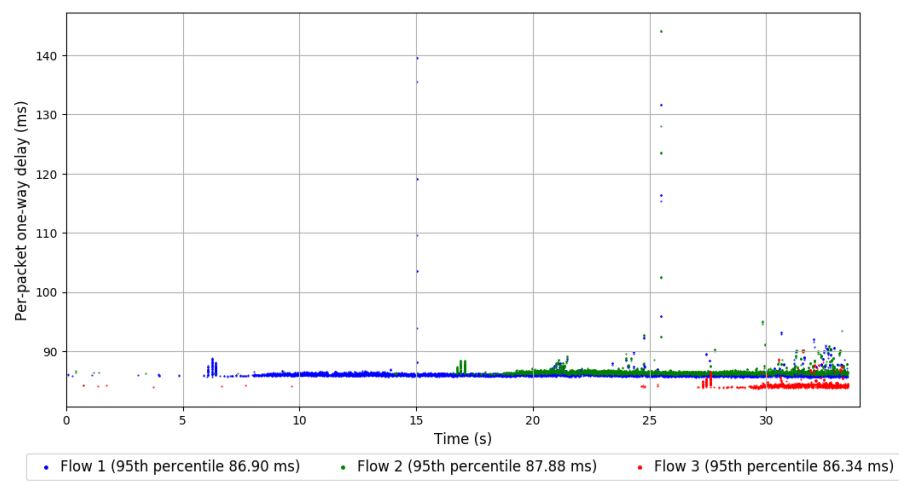
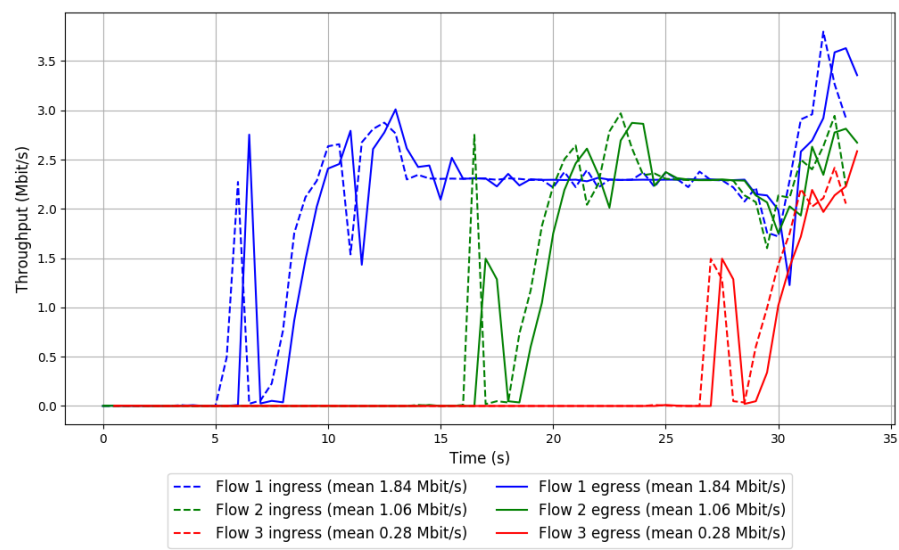


Run 4: Statistics of WebRTC media

Start at: 2018-07-24 15:33:31
End at: 2018-07-24 15:34:01
Local clock offset: -2.237 ms
Remote clock offset: 20.145 ms

Below is generated by plot.py at 2018-07-24 18:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 87.371 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.896 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 87.878 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.345 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-24 15:54:43

End at: 2018-07-24 15:55:13

Local clock offset: -7.592 ms

Remote clock offset: 3.719 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 82.484 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 82.093 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 81.569 ms

Loss rate: 0.00%

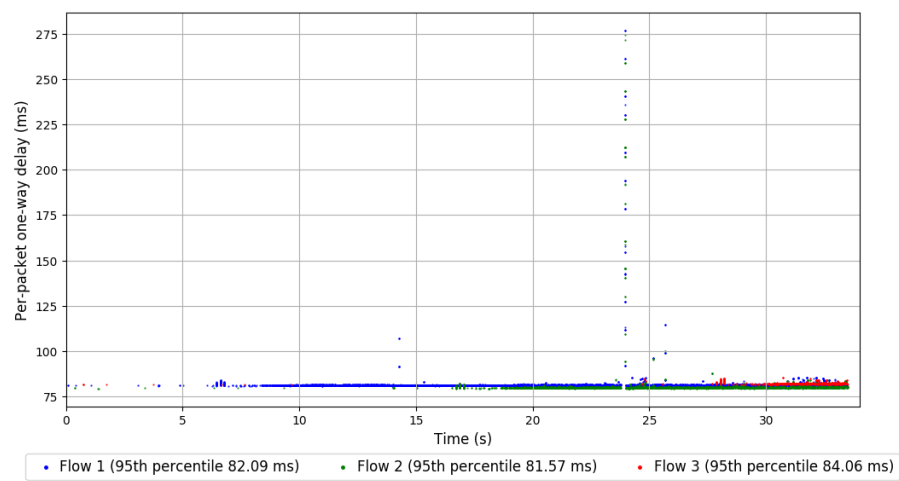
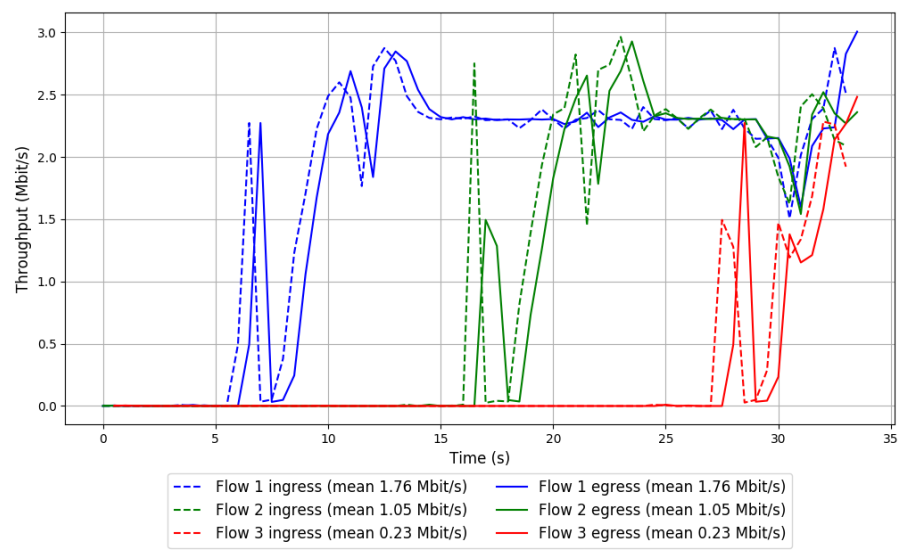
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 84.064 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-24 16:15:57

End at: 2018-07-24 16:16:27

Local clock offset: -7.077 ms

Remote clock offset: 2.752 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.04 Mbit/s

95th percentile per-packet one-way delay: 88.742 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 89.502 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 82.086 ms

Loss rate: 0.00%

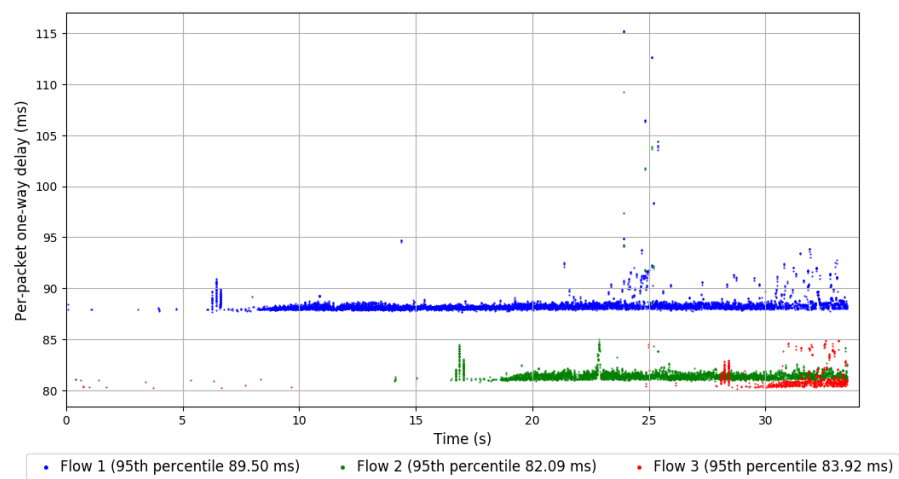
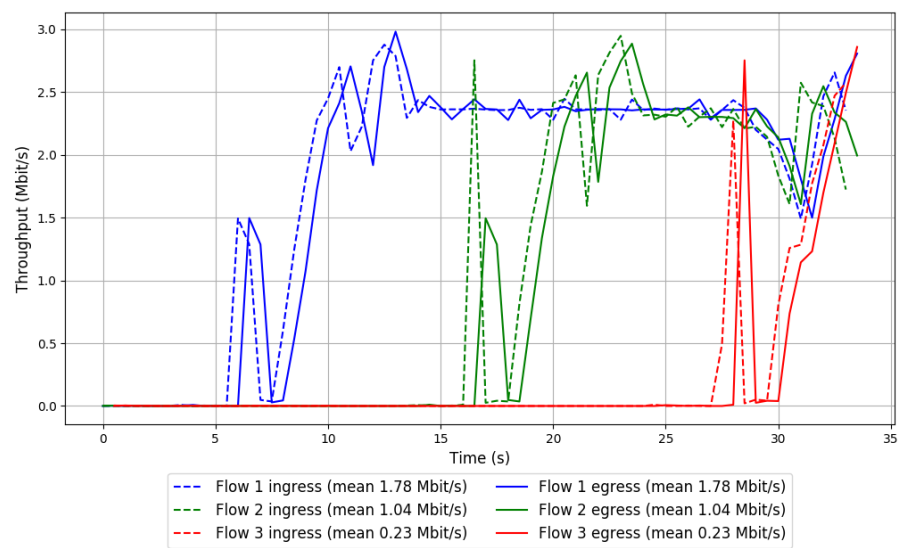
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 83.921 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-24 16:37:10

End at: 2018-07-24 16:37:40

Local clock offset: -5.152 ms

Remote clock offset: 1.075 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 82.593 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 82.495 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 82.671 ms

Loss rate: 0.00%

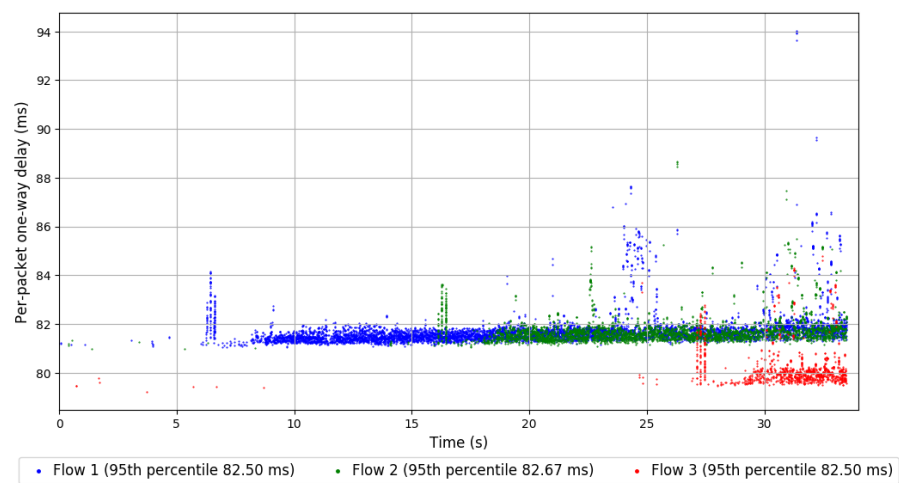
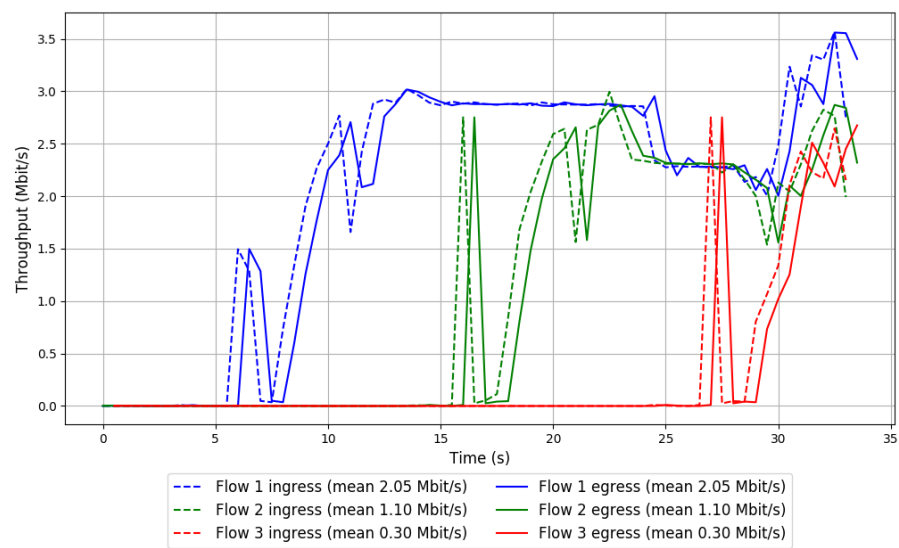
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 82.498 ms

Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-24 16:58:31

End at: 2018-07-24 16:59:01

Local clock offset: -2.619 ms

Remote clock offset: 2.767 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 87.490 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 82.235 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 82.915 ms

Loss rate: 0.03%

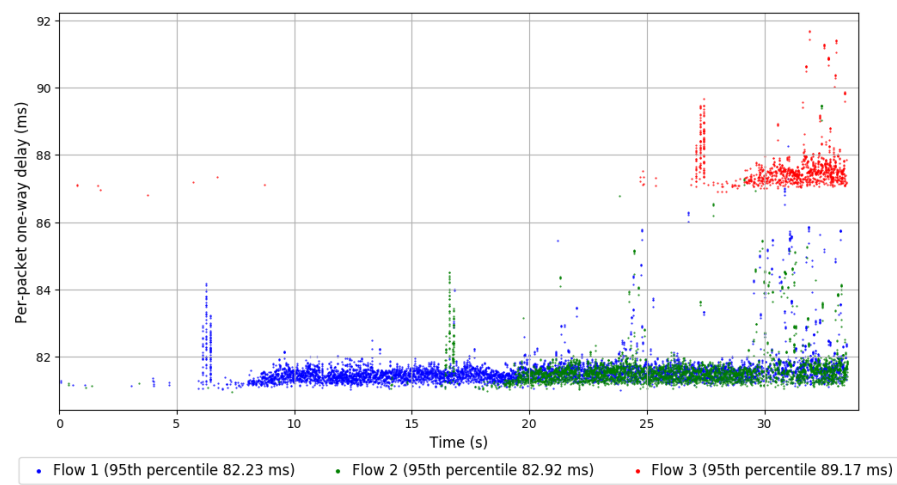
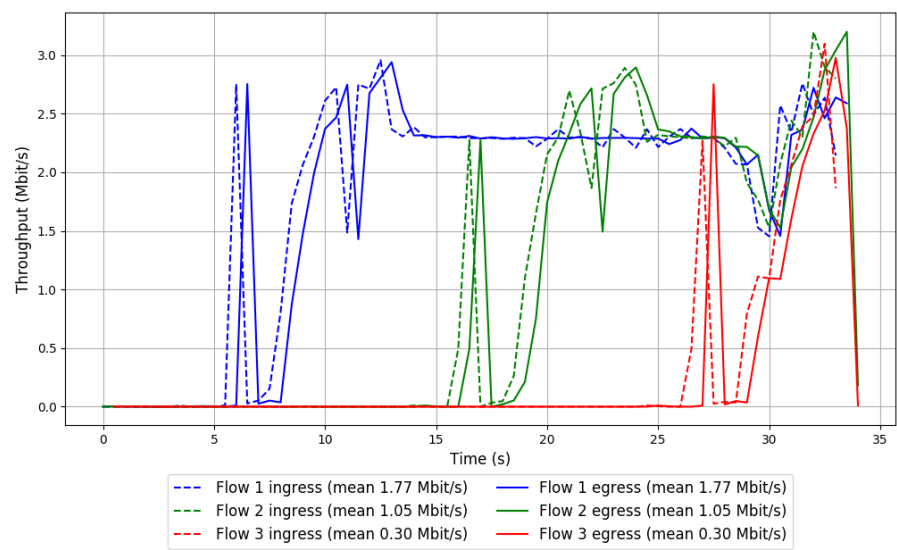
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 89.175 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-24 17:19:40

End at: 2018-07-24 17:20:10

Local clock offset: -6.908 ms

Remote clock offset: 8.329 ms

Below is generated by plot.py at 2018-07-24 18:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 86.551 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 86.805 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 85.178 ms

Loss rate: 0.00%

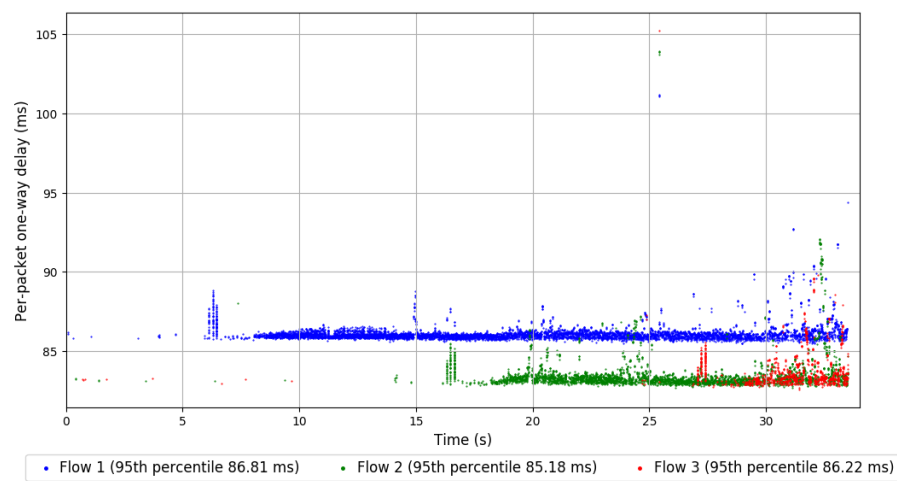
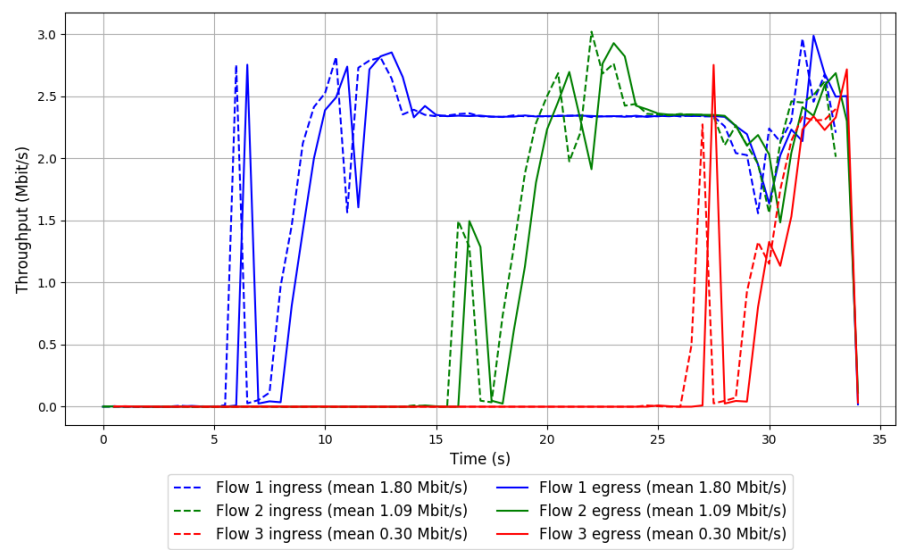
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.225 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 17:40:50
End at: 2018-07-24 17:41:20
Local clock offset: -4.31 ms
Remote clock offset: 11.196 ms

Below is generated by plot.py at 2018-07-24 18:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 86.175 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.792 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 81.800 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 82.115 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

