

Pantheon Report

Generated at 2018-08-02 04:05:26 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

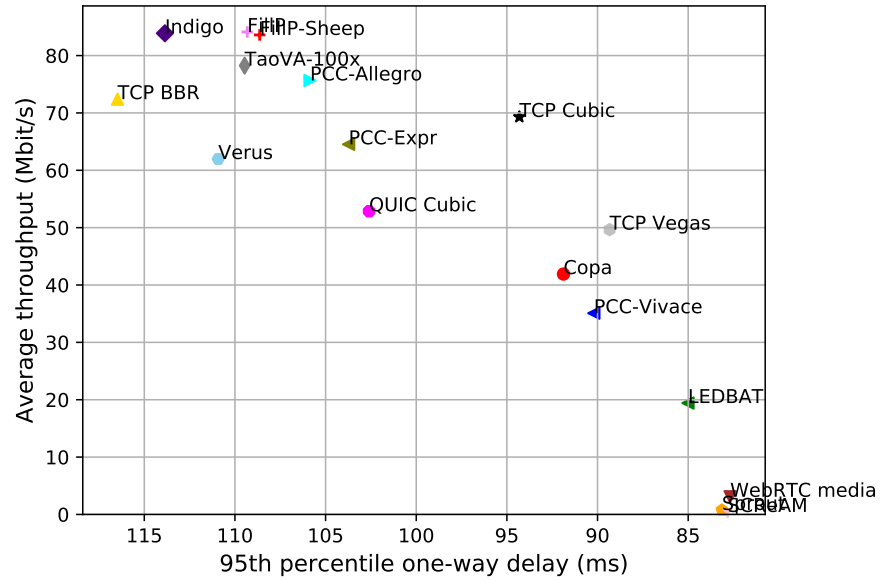
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

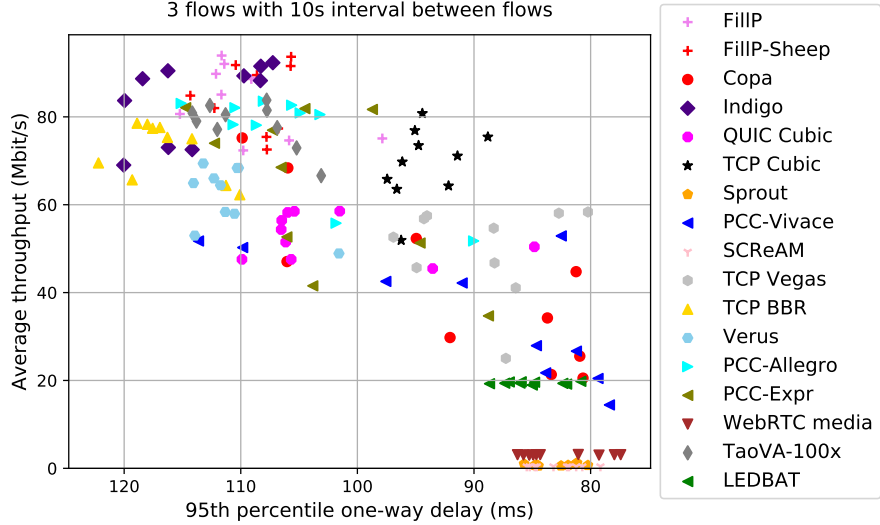
Git summary:

```
branch: master @ 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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



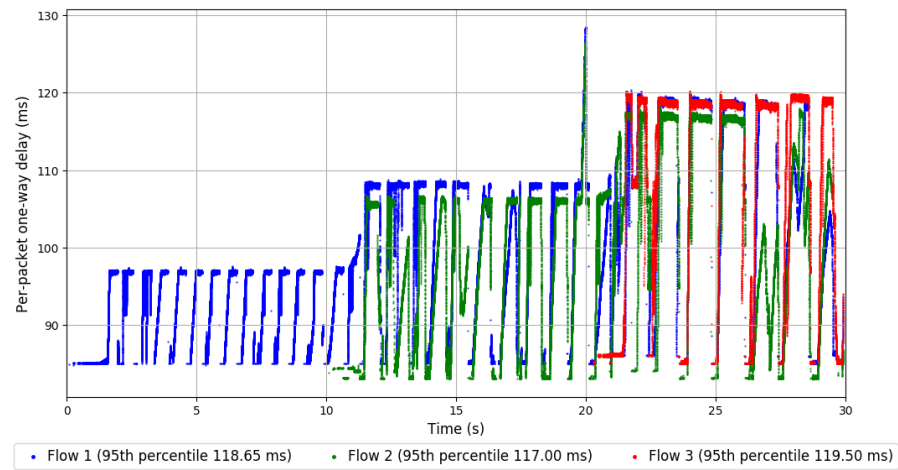
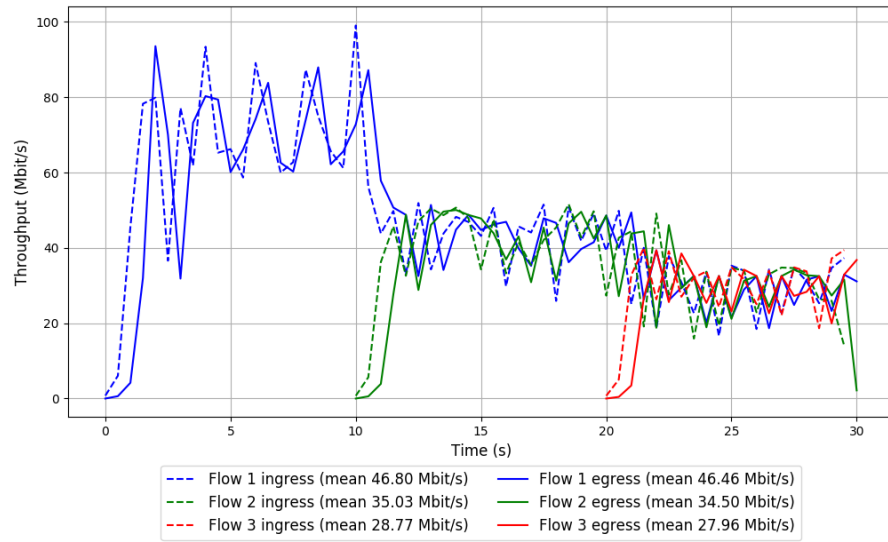
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	42.85	32.05	25.41	115.20	117.05	117.52	4.30	5.47	6.58
Copa	10	22.07	23.31	13.24	89.39	89.66	88.54	0.87	0.97	2.77
TCP Cubic	10	41.22	30.61	23.56	93.12	97.99	104.05	0.45	0.77	1.96
FillP	10	53.46	33.92	24.85	107.16	110.01	110.12	5.88	8.32	9.48
FillP-Sheep	10	51.85	34.86	27.09	106.53	109.62	110.94	8.44	9.40	10.25
Indigo	10	54.35	32.79	23.98	114.19	110.05	105.80	5.02	7.17	7.27
LEDBAT	10	12.57	8.37	4.01	84.56	85.42	84.87	1.06	1.69	3.25
PCC-Allegro	10	44.44	37.31	19.89	102.59	103.80	105.44	3.43	1.26	3.09
PCC-Expr	10	39.06	27.25	22.61	99.51	100.41	98.40	2.05	2.47	3.58
QUIC Cubic	10	30.01	23.81	21.55	99.55	100.80	110.01	0.87	1.16	2.74
SCReAM	10	0.22	0.22	0.22	82.43	82.30	82.35	0.51	0.84	1.66
Sprout	10	0.34	0.44	0.47	82.09	82.13	82.99	0.69	0.86	1.20
TaoVA-100x	10	46.28	34.99	26.62	107.10	110.06	111.63	2.42	3.76	5.81
TCP Vegas	10	28.61	23.01	17.54	86.25	90.42	97.17	0.48	0.82	1.86
Verus	10	36.30	28.78	20.68	106.69	111.93	114.26	1.79	2.63	4.03
PCC-Vivace	10	16.82	24.12	6.92	88.48	89.47	85.31	1.58	2.02	3.01
WebRTC media	10	1.74	0.98	0.37	82.11	82.44	81.77	0.40	0.78	2.09

Run 1: Statistics of TCP BBR

Start at: 2018-08-02 00:19:00
End at: 2018-08-02 00:19:30
Local clock offset: -5.524 ms
Remote clock offset: 16.139 ms

Below is generated by plot.py at 2018-08-02 03:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 118.885 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 118.649 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 117.000 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 119.499 ms
Loss rate: 4.43%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-02 00:40:18

End at: 2018-08-02 00:40:48

Local clock offset: -6.475 ms

Remote clock offset: 5.195 ms

Below is generated by plot.py at 2018-08-02 03:49:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.59 Mbit/s

95th percentile per-packet one-way delay: 116.936 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 45.24 Mbit/s

95th percentile per-packet one-way delay: 116.838 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 34.57 Mbit/s

95th percentile per-packet one-way delay: 117.097 ms

Loss rate: 2.48%

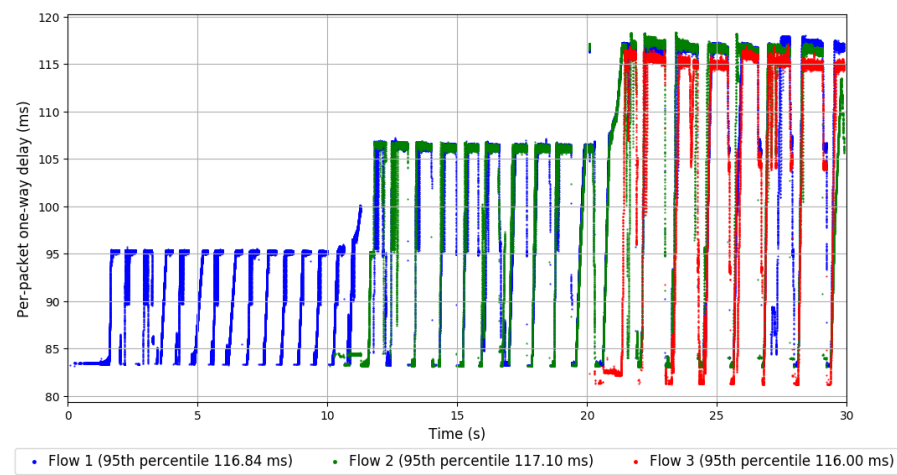
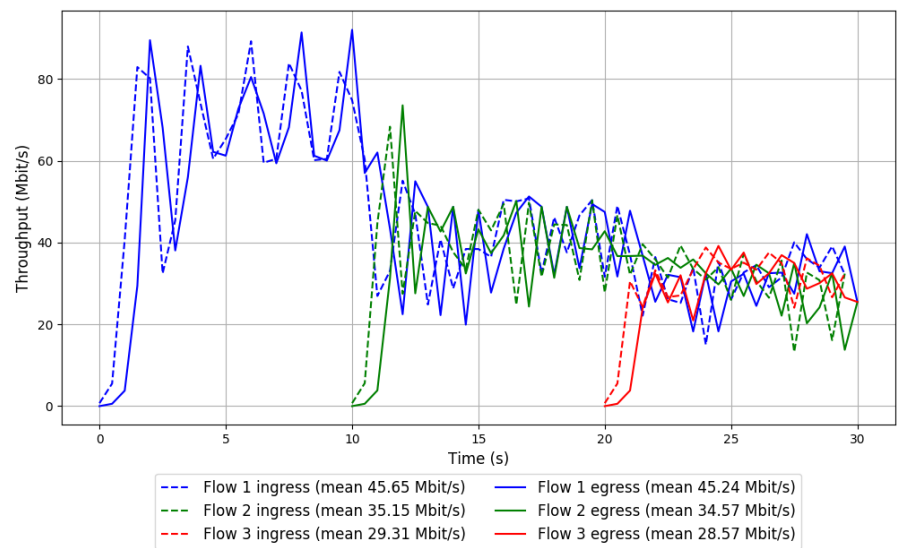
-- Flow 3:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 115.997 ms

Loss rate: 4.16%

Run 2: Report of TCP BBR — Data Link

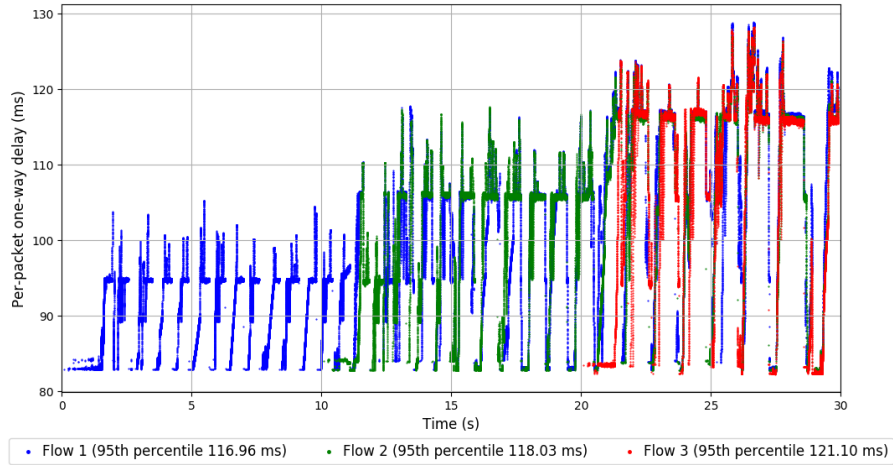
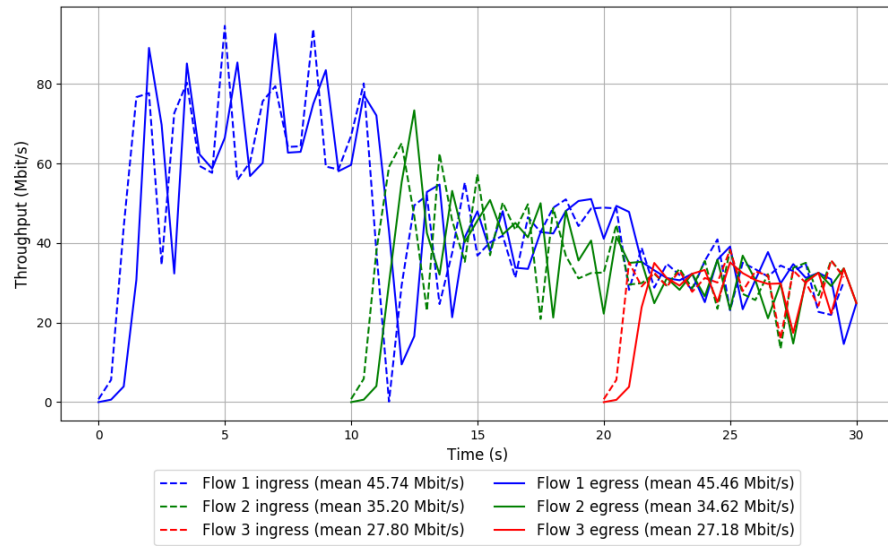


Run 3: Statistics of TCP BBR

Start at: 2018-08-02 01:01:22
End at: 2018-08-02 01:01:52
Local clock offset: -6.071 ms
Remote clock offset: -2.444 ms

Below is generated by plot.py at 2018-08-02 03:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 117.560 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 116.957 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 118.025 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 121.102 ms
Loss rate: 4.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-02 01:22:36

End at: 2018-08-02 01:23:06

Local clock offset: -5.721 ms

Remote clock offset: 8.832 ms

Below is generated by plot.py at 2018-08-02 03:49:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.39 Mbit/s

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

Loss rate: 12.70%

-- Flow 1:

Average throughput: 39.49 Mbit/s

95th percentile per-packet one-way delay: 109.561 ms

Loss rate: 11.38%

-- Flow 2:

Average throughput: 27.85 Mbit/s

95th percentile per-packet one-way delay: 115.139 ms

Loss rate: 13.92%

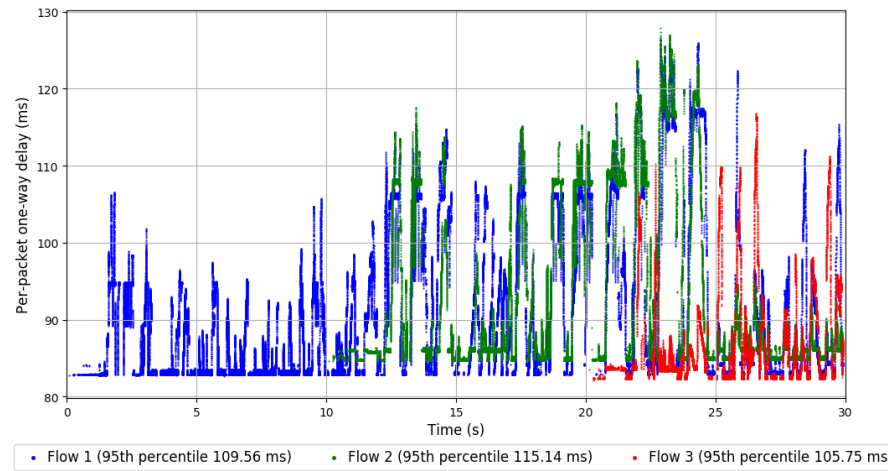
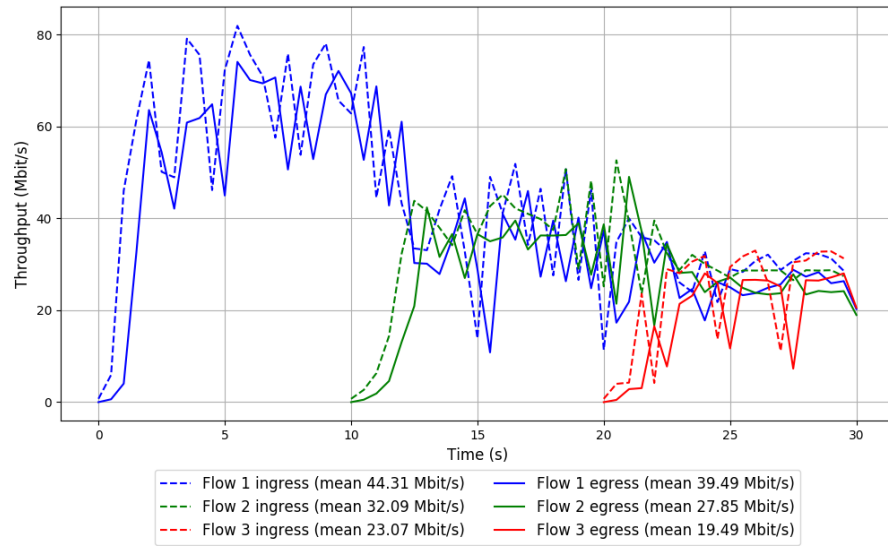
-- Flow 3:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 105.748 ms

Loss rate: 16.89%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-02 01:43:38

End at: 2018-08-02 01:44:08

Local clock offset: -6.717 ms

Remote clock offset: 9.494 ms

Below is generated by plot.py at 2018-08-02 03:49:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 116.289 ms

Loss rate: 2.24%

-- Flow 1:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 113.262 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 34.38 Mbit/s

95th percentile per-packet one-way delay: 116.823 ms

Loss rate: 2.62%

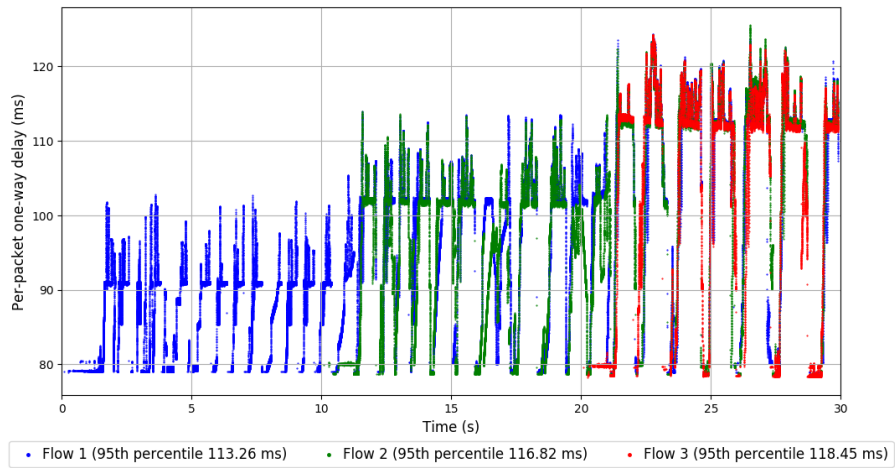
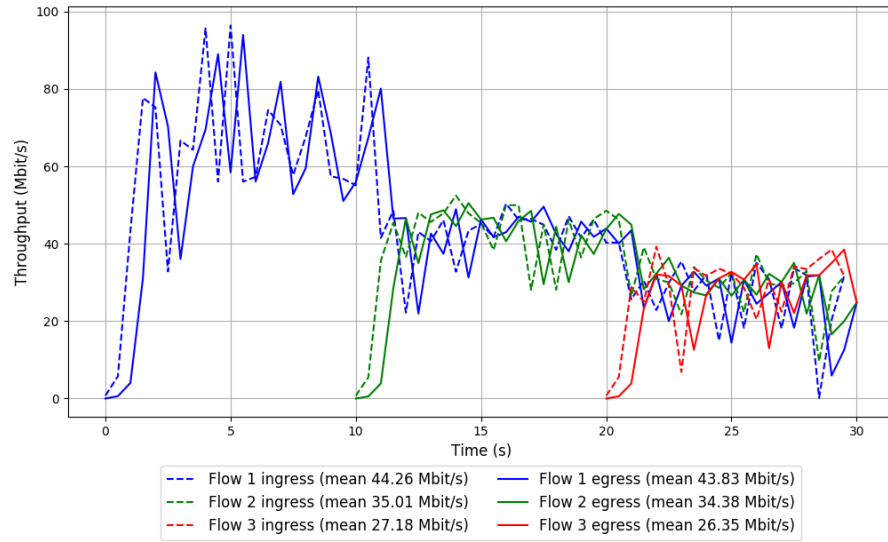
-- Flow 3:

Average throughput: 26.35 Mbit/s

95th percentile per-packet one-way delay: 118.455 ms

Loss rate: 4.84%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-02 02:04:36

End at: 2018-08-02 02:05:06

Local clock offset: -6.172 ms

Remote clock offset: 6.758 ms

Below is generated by plot.py at 2018-08-02 03:49:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 114.184 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 43.98 Mbit/s

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

Loss rate: 1.36%

-- Flow 2:

Average throughput: 33.93 Mbit/s

95th percentile per-packet one-way delay: 112.045 ms

Loss rate: 2.37%

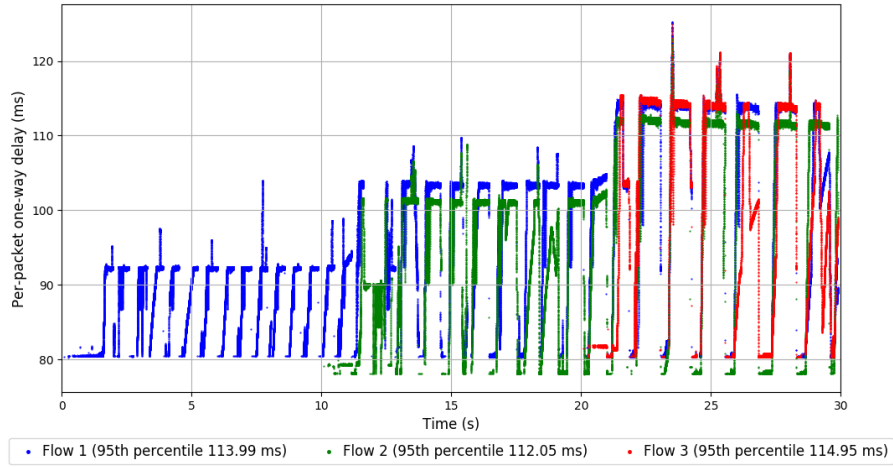
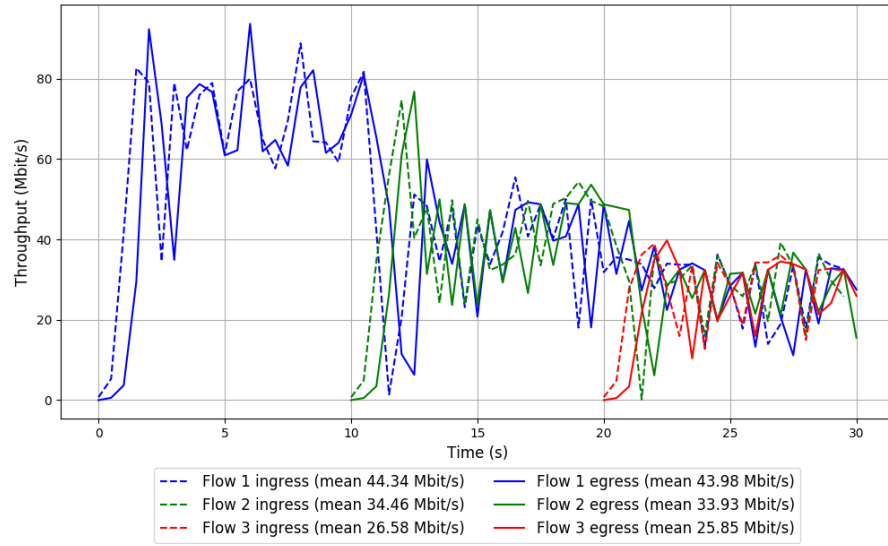
-- Flow 3:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 114.949 ms

Loss rate: 4.37%

Run 6: Report of TCP BBR — Data Link

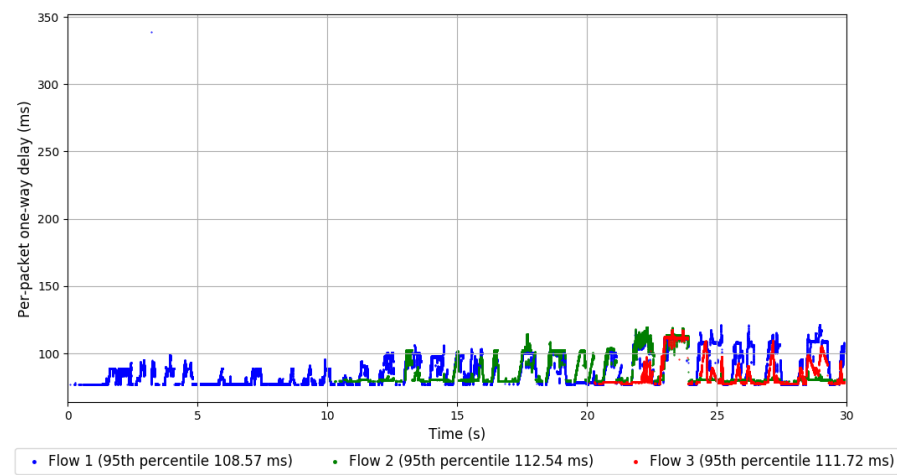
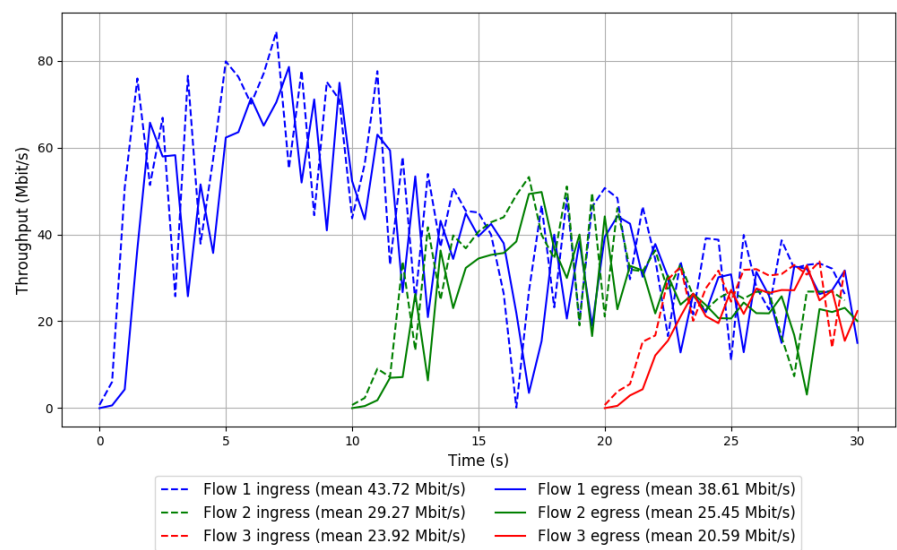


Run 7: Statistics of TCP BBR

Start at: 2018-08-02 02:25:43
End at: 2018-08-02 02:26:13
Local clock offset: -6.295 ms
Remote clock offset: 16.435 ms

Below is generated by plot.py at 2018-08-02 03:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 110.081 ms
Loss rate: 12.96%
-- Flow 1:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 108.570 ms
Loss rate: 12.16%
-- Flow 2:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 112.543 ms
Loss rate: 13.78%
-- Flow 3:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 111.718 ms
Loss rate: 15.36%

Run 7: Report of TCP BBR — Data Link

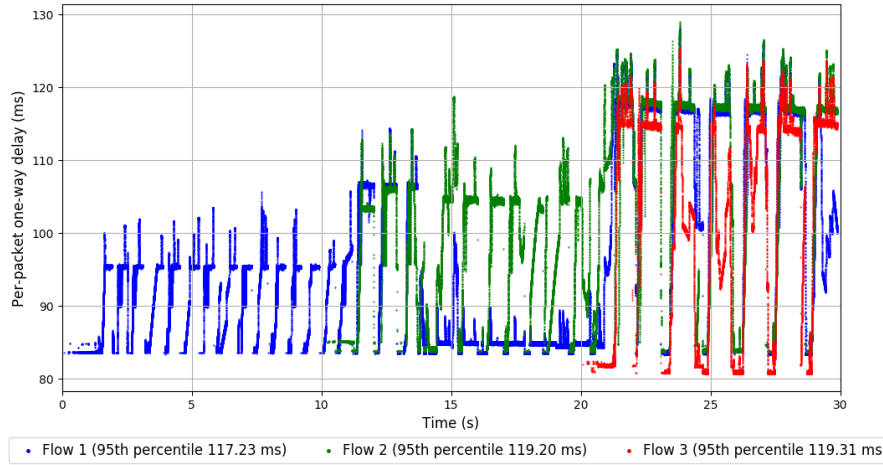
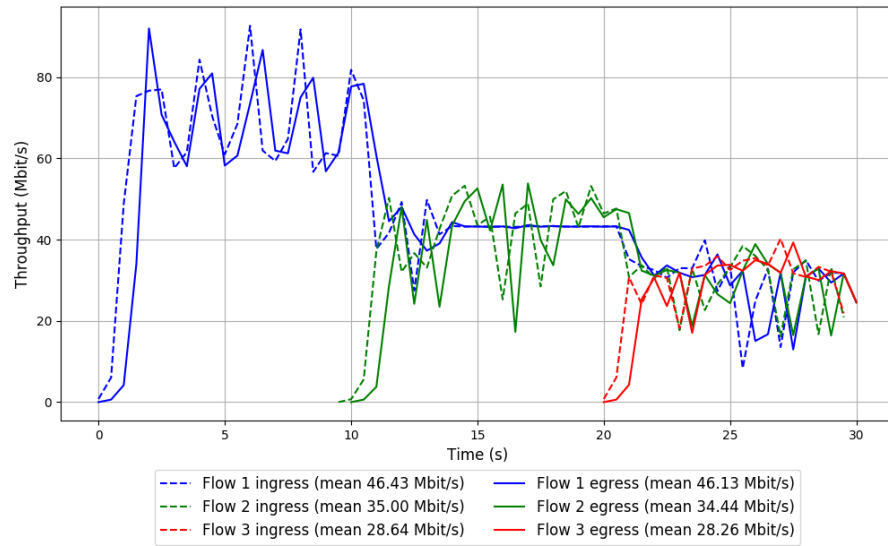


Run 8: Statistics of TCP BBR

Start at: 2018-08-02 02:46:49
End at: 2018-08-02 02:47:19
Local clock offset: -6.769 ms
Remote clock offset: 12.987 ms

Below is generated by plot.py at 2018-08-02 03:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 118.008 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 117.231 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 119.201 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 119.312 ms
Loss rate: 2.89%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-02 03:07:52

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

Local clock offset: -7.221 ms

Remote clock offset: 7.674 ms

Below is generated by plot.py at 2018-08-02 03:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 122.202 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 119.463 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 122.206 ms

Loss rate: 2.31%

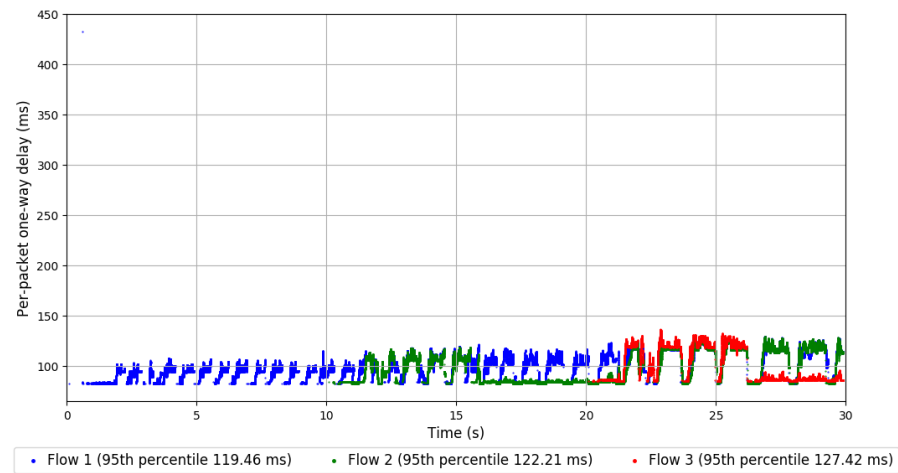
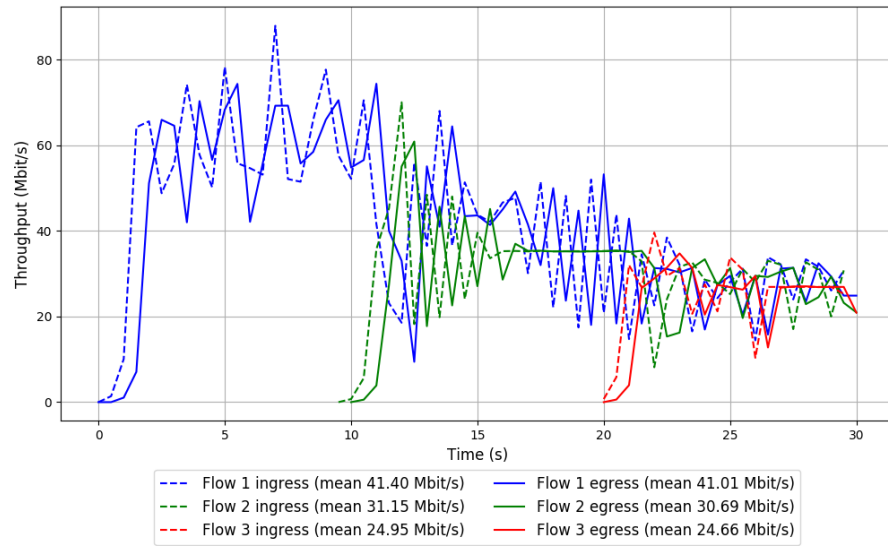
-- Flow 3:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 127.421 ms

Loss rate: 2.78%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-02 03:29:07

End at: 2018-08-02 03:29:37

Local clock offset: -7.291 ms

Remote clock offset: 5.179 ms

Below is generated by plot.py at 2018-08-02 03:50:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.67 Mbit/s

95th percentile per-packet one-way delay: 119.310 ms

Loss rate: 9.48%

-- Flow 1:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 117.469 ms

Loss rate: 9.88%

-- Flow 2:

Average throughput: 30.03 Mbit/s

95th percentile per-packet one-way delay: 120.382 ms

Loss rate: 9.95%

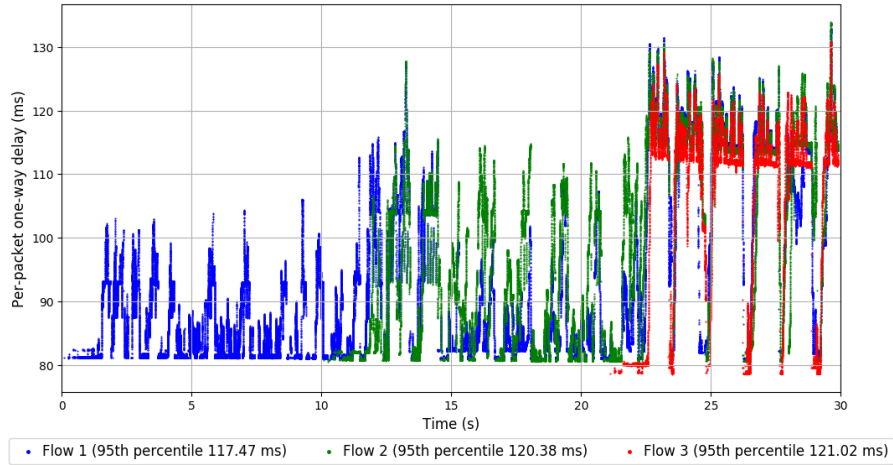
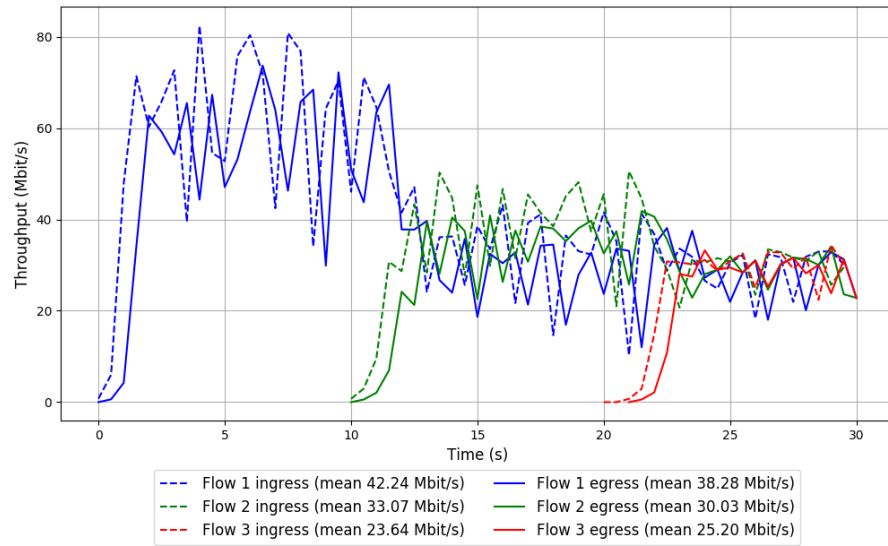
-- Flow 3:

Average throughput: 25.20 Mbit/s

95th percentile per-packet one-way delay: 121.018 ms

Loss rate: 6.07%

Run 10: Report of TCP BBR — Data Link

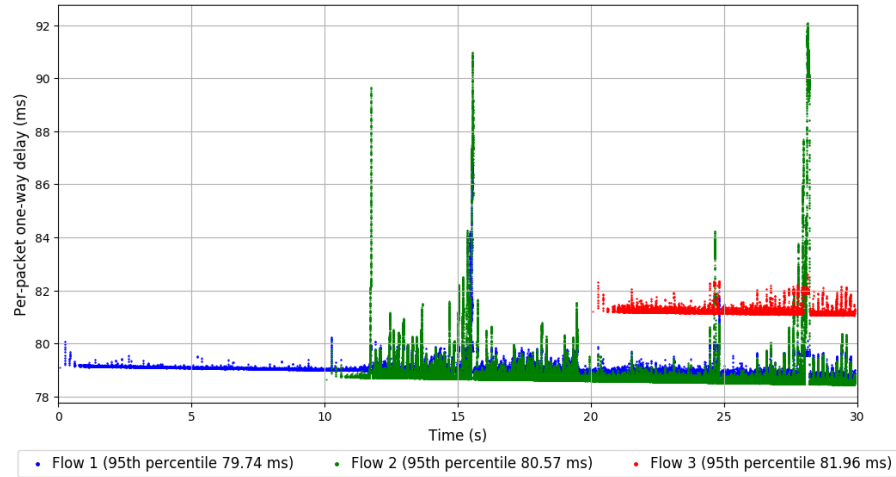
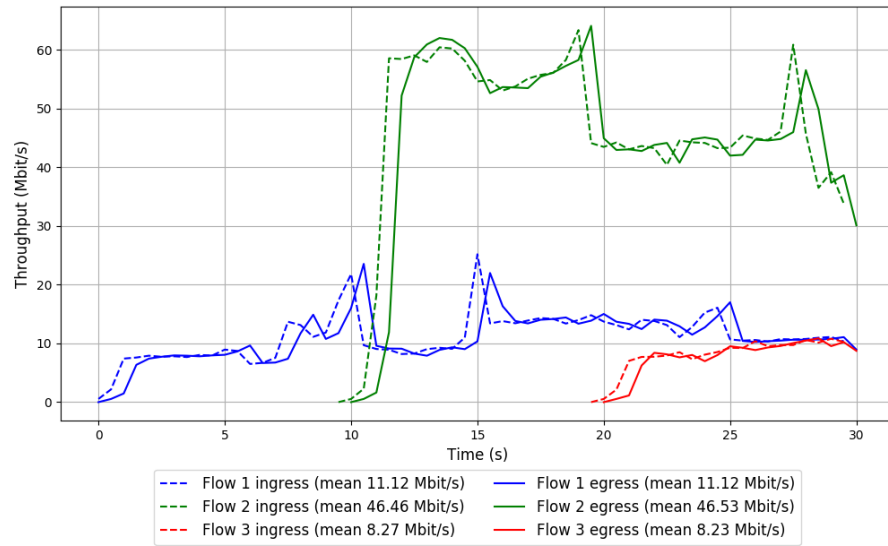


Run 1: Statistics of Copa

Start at: 2018-08-02 00:34:06
End at: 2018-08-02 00:34:36
Local clock offset: -6.31 ms
Remote clock offset: 12.249 ms

Below is generated by plot.py at 2018-08-02 03:50:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 81.245 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 79.744 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 80.570 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 81.962 ms
Loss rate: 2.14%

Run 1: Report of Copa — Data Link

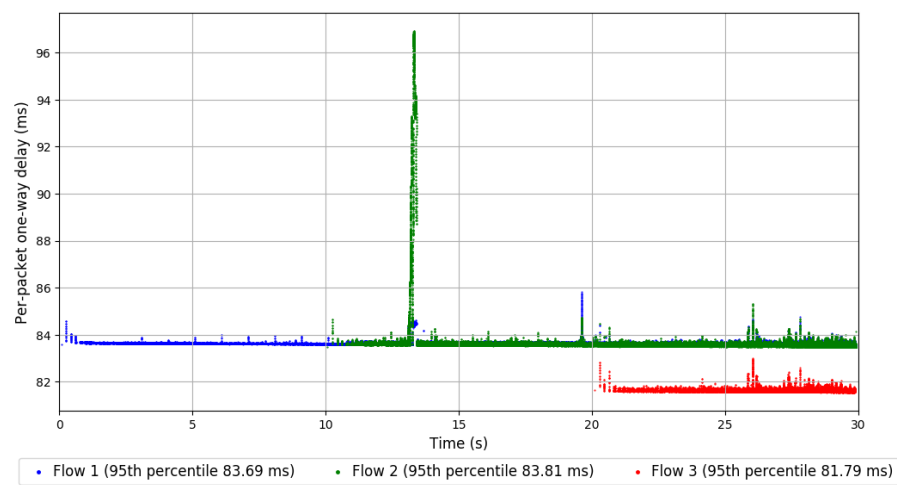
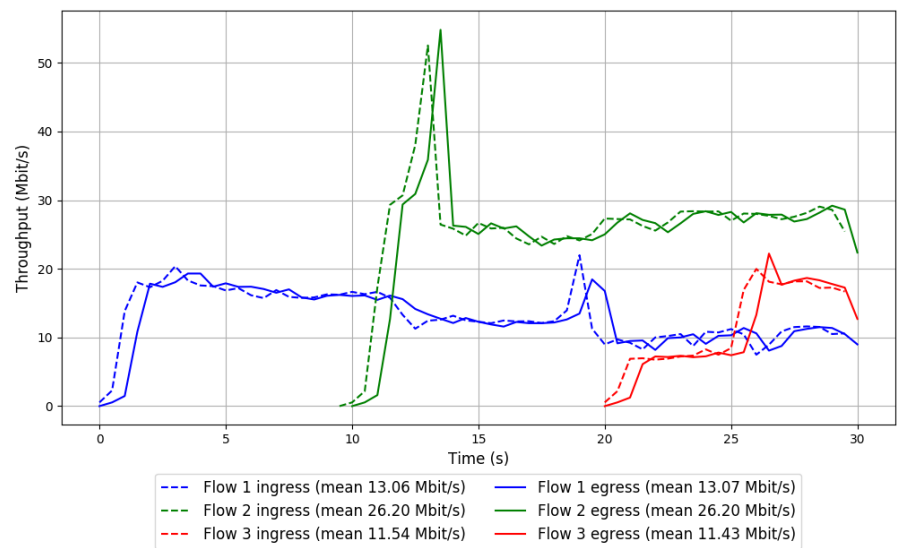


Run 2: Statistics of Copa

Start at: 2018-08-02 00:55:13
End at: 2018-08-02 00:55:43
Local clock offset: -6.381 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-02 03:50:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 83.703 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 83.690 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 83.809 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 81.792 ms
Loss rate: 2.64%

Run 2: Report of Copa — Data Link

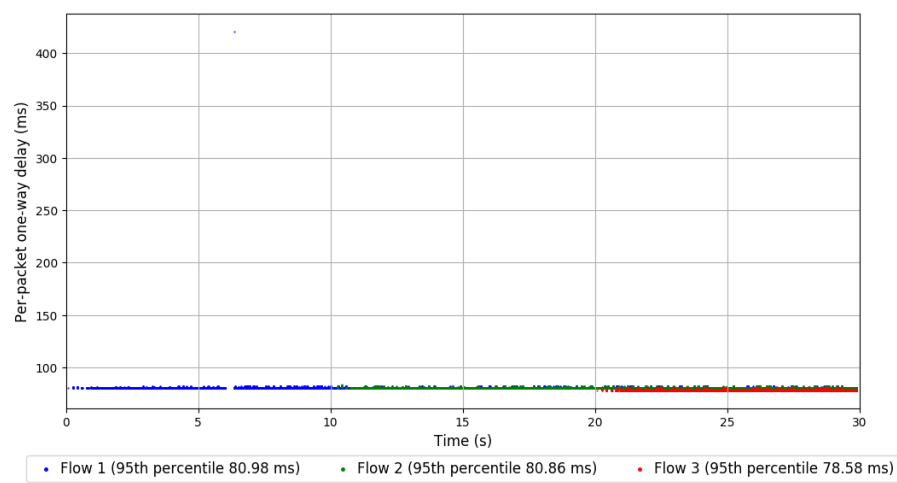
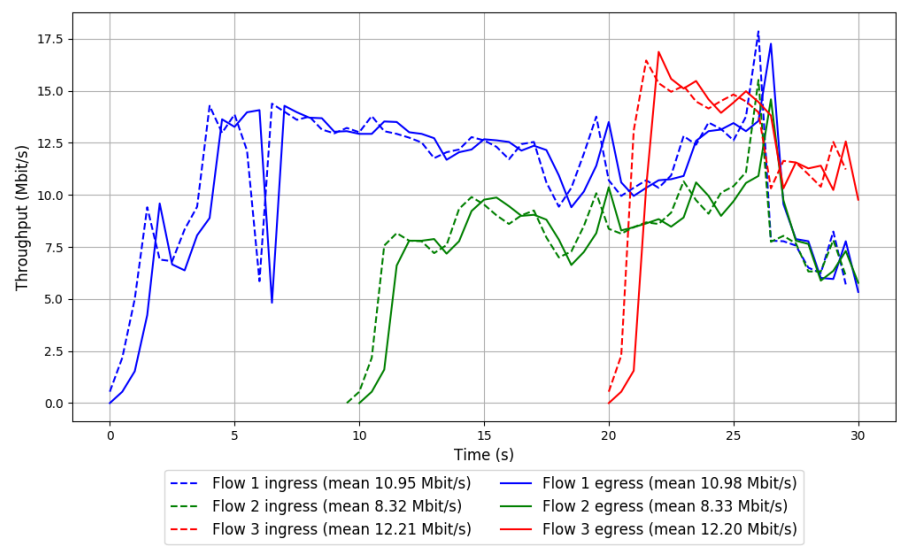


Run 3: Statistics of Copa

Start at: 2018-08-02 01:16:24
End at: 2018-08-02 01:16:54
Local clock offset: -5.744 ms
Remote clock offset: 12.037 ms

Below is generated by plot.py at 2018-08-02 03:50:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 80.651 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 80.979 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 80.856 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 78.578 ms
Loss rate: 1.72%

Run 3: Report of Copa — Data Link

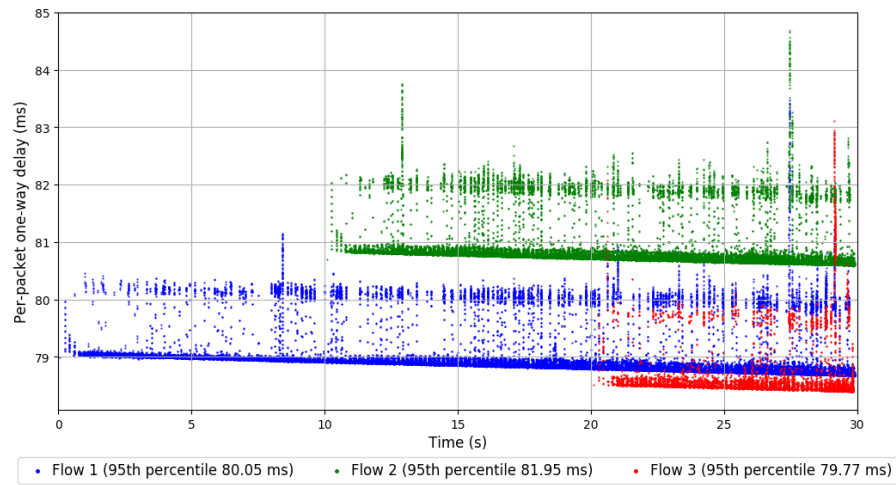
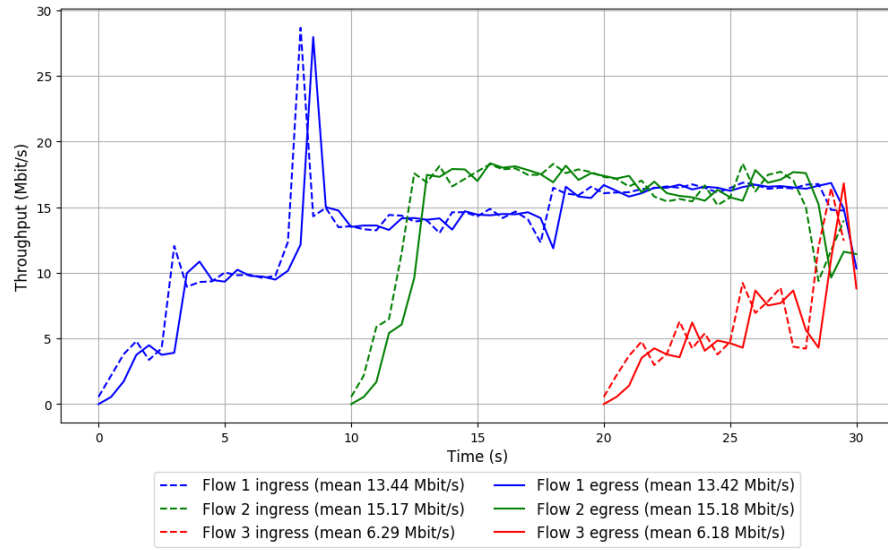


Run 4: Statistics of Copa

Start at: 2018-08-02 01:37:30
End at: 2018-08-02 01:38:00
Local clock offset: -6.582 ms
Remote clock offset: 12.99 ms

Below is generated by plot.py at 2018-08-02 03:50:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 80.928 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 80.048 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 79.770 ms
Loss rate: 3.55%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-02 01:58:28

End at: 2018-08-02 01:58:58

Local clock offset: -6.432 ms

Remote clock offset: 6.279 ms

Below is generated by plot.py at 2018-08-02 03:50:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 92.054 ms

Loss rate: 4.16%

-- Flow 1:

Average throughput: 20.51 Mbit/s

95th percentile per-packet one-way delay: 93.175 ms

Loss rate: 4.06%

-- Flow 2:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 80.467 ms

Loss rate: 3.46%

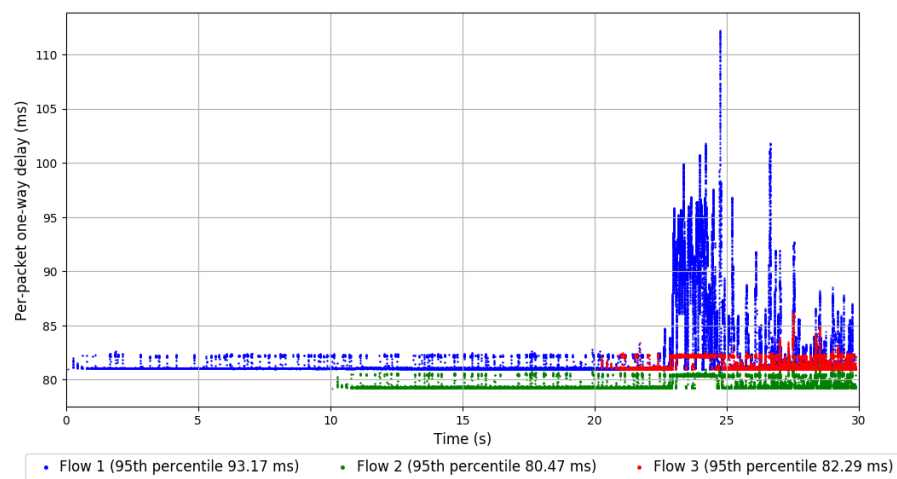
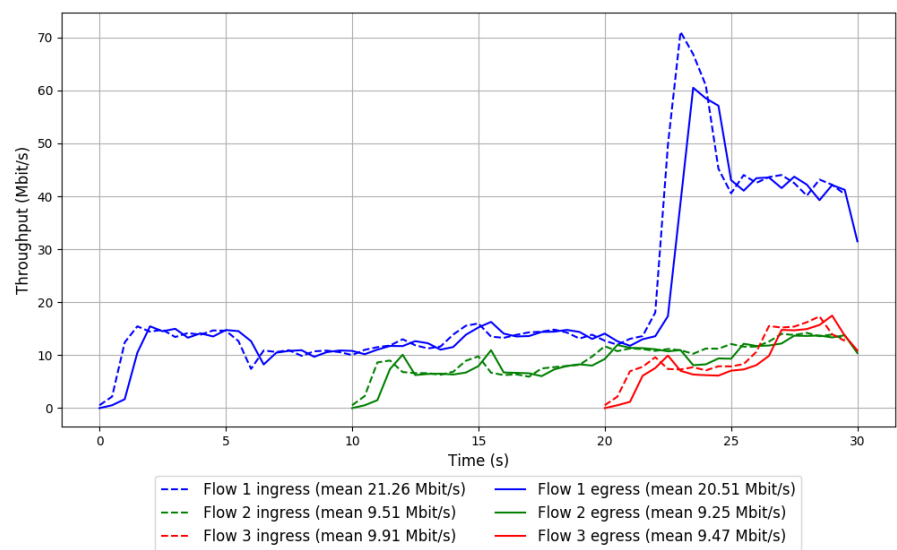
-- Flow 3:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 82.289 ms

Loss rate: 6.10%

Run 5: Report of Copa — Data Link

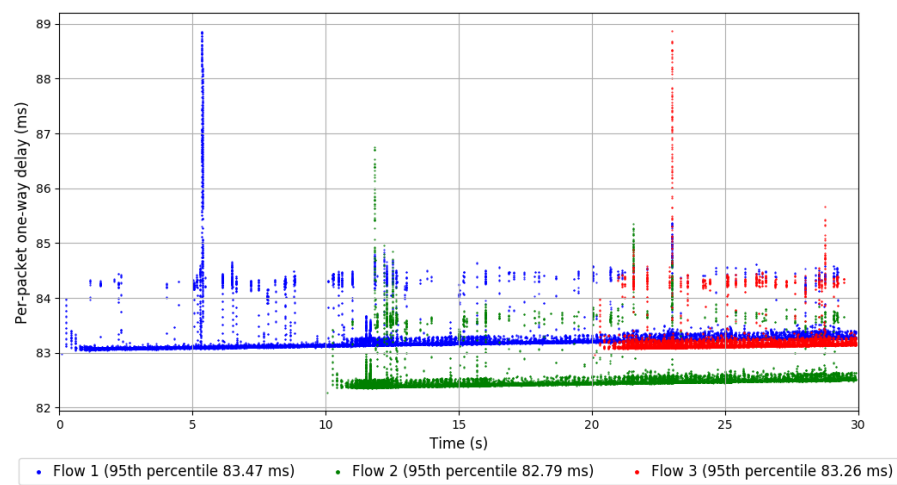
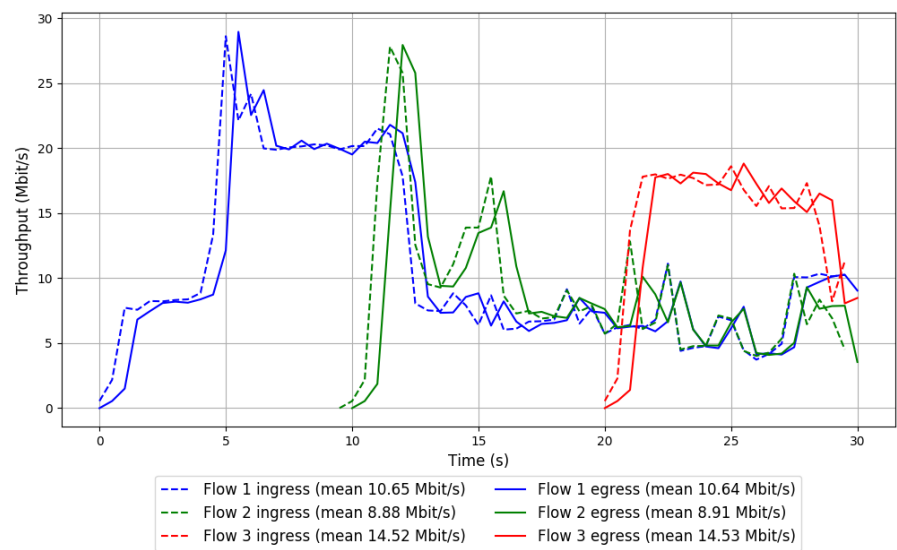


Run 6: Statistics of Copa

Start at: 2018-08-02 02:19:35
End at: 2018-08-02 02:20:05
Local clock offset: -6.071 ms
Remote clock offset: 8.437 ms

```
# Below is generated by plot.py at 2018-08-02 03:50:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 83.373 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 83.469 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 82.793 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 83.263 ms
Loss rate: 1.67%
```


Run 6: Report of Copa — Data Link

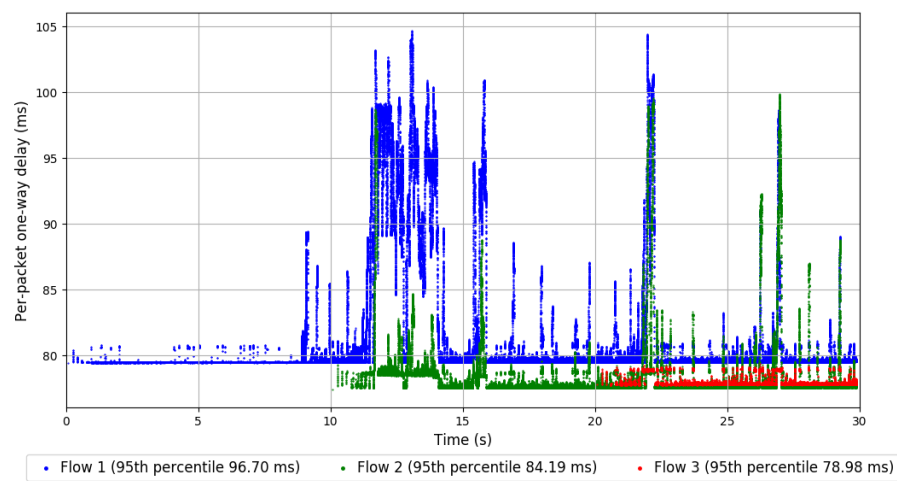
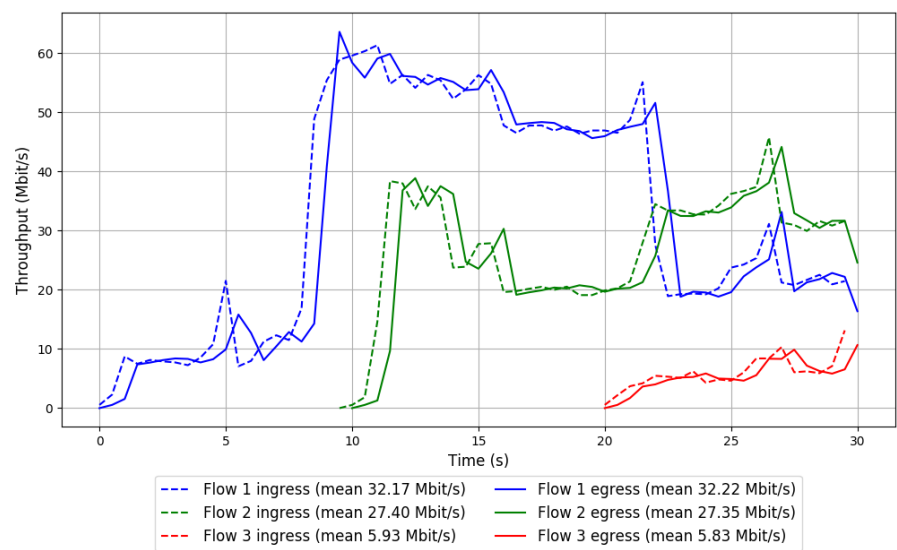


Run 7: Statistics of Copa

Start at: 2018-08-02 02:40:37
End at: 2018-08-02 02:41:07
Local clock offset: -6.709 ms
Remote clock offset: 17.833 ms

Below is generated by plot.py at 2018-08-02 03:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 94.949 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 96.700 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 84.194 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 78.983 ms
Loss rate: 3.34%

Run 7: Report of Copa — Data Link

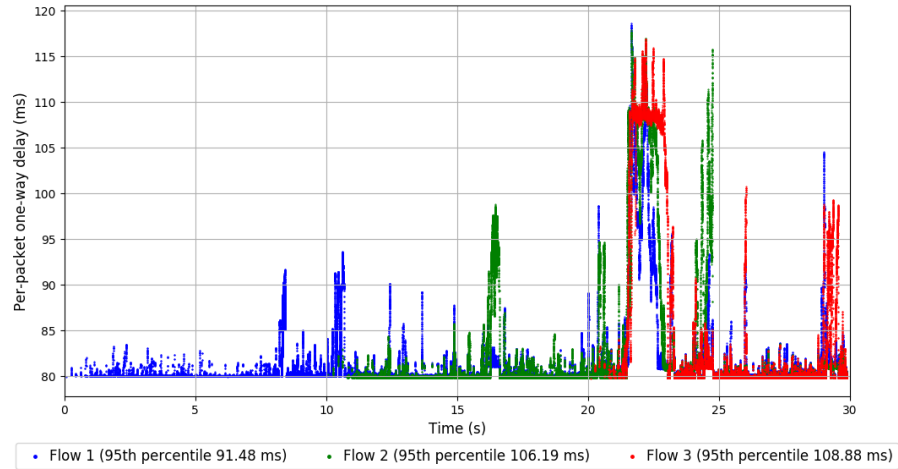
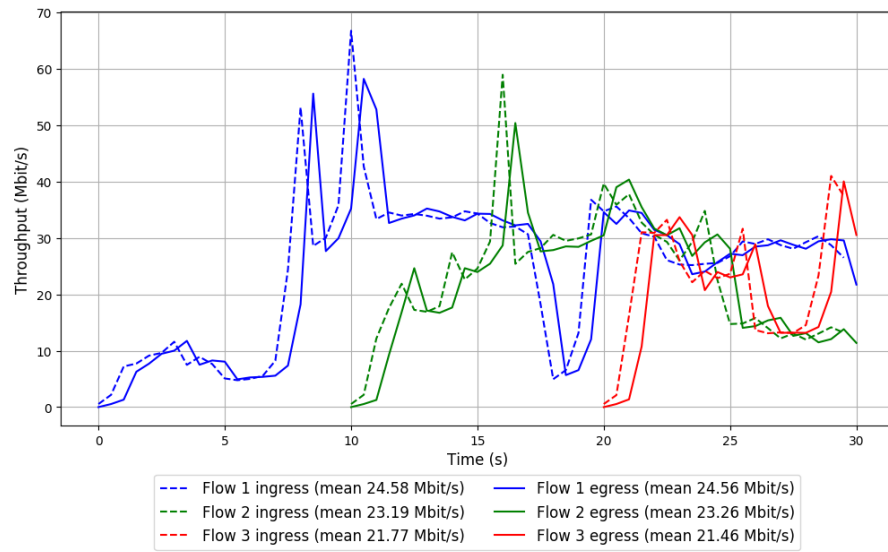


Run 8: Statistics of Copa

Start at: 2018-08-02 03:01:42
End at: 2018-08-02 03:02:12
Local clock offset: -7.171 ms
Remote clock offset: 12.965 ms

Below is generated by plot.py at 2018-08-02 03:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.06 Mbit/s
95th percentile per-packet one-way delay: 106.034 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 91.479 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 106.194 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 108.882 ms
Loss rate: 3.03%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-02 03:22:45

End at: 2018-08-02 03:23:15

Local clock offset: -7.42 ms

Remote clock offset: 5.236 ms

Below is generated by plot.py at 2018-08-02 03:51:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.38 Mbit/s

95th percentile per-packet one-way delay: 105.963 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 36.28 Mbit/s

95th percentile per-packet one-way delay: 93.057 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 108.940 ms

Loss rate: 0.41%

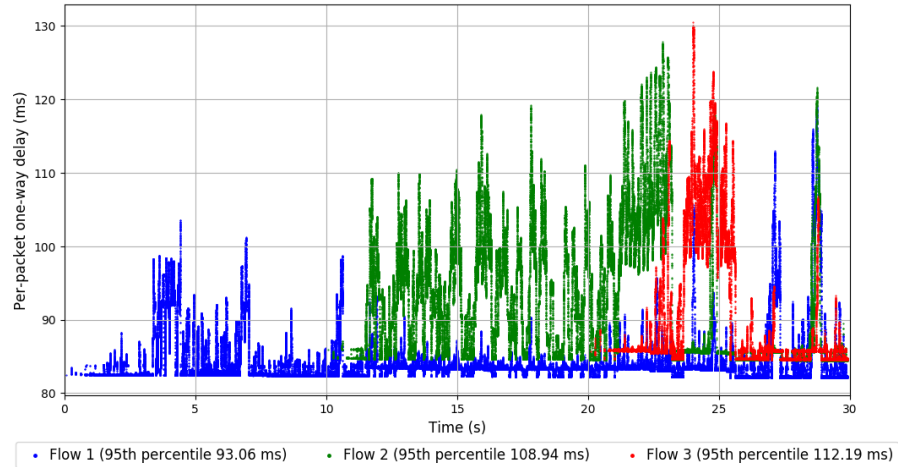
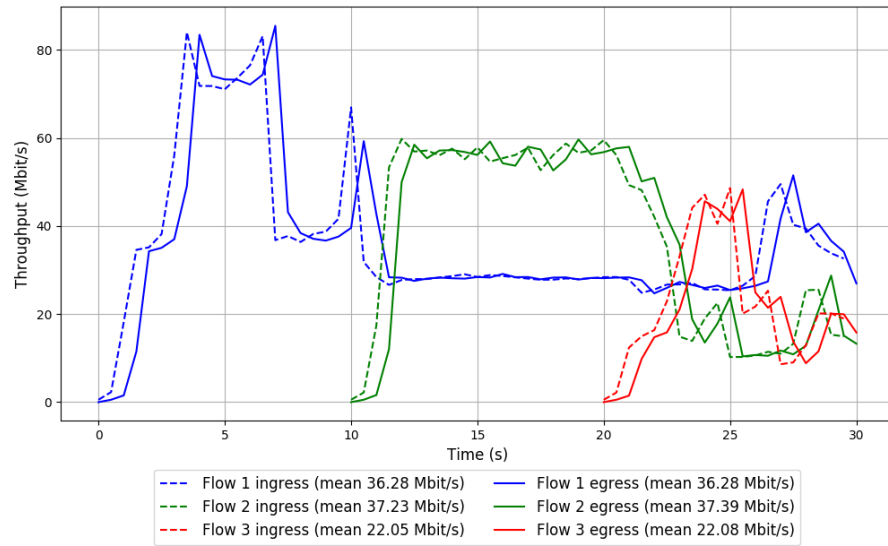
-- Flow 3:

Average throughput: 22.08 Mbit/s

95th percentile per-packet one-way delay: 112.192 ms

Loss rate: 1.56%

Run 9: Report of Copa — Data Link

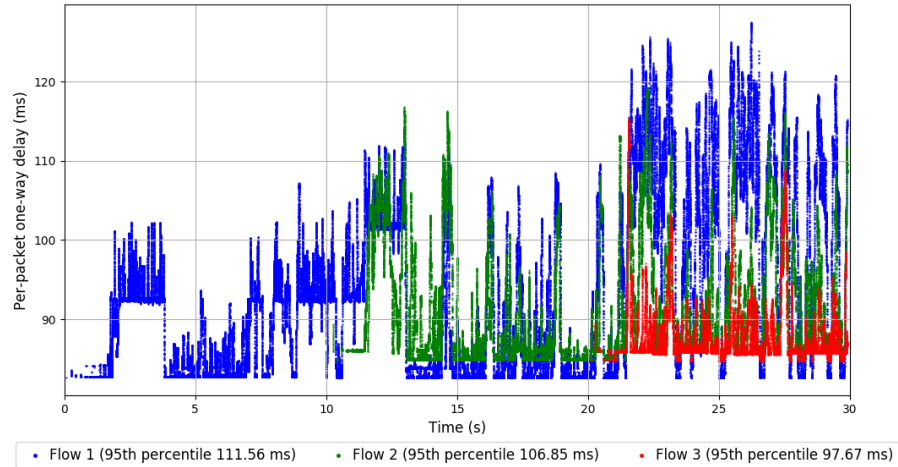
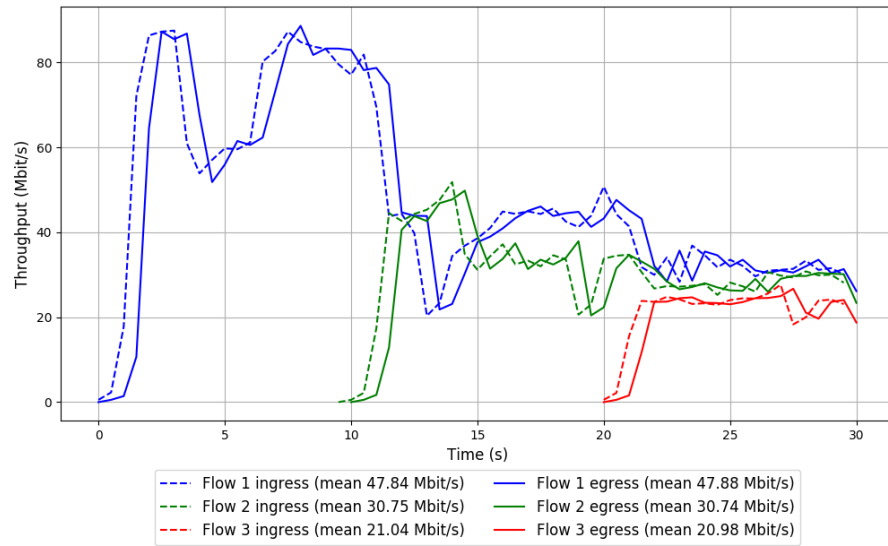


Run 10: Statistics of Copa

Start at: 2018-08-02 03:43:58
End at: 2018-08-02 03:44:28
Local clock offset: -7.254 ms
Remote clock offset: -3.451 ms

Below is generated by plot.py at 2018-08-02 03:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 109.879 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 111.558 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 106.854 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 97.670 ms
Loss rate: 1.92%

Run 10: Report of Copa — Data Link

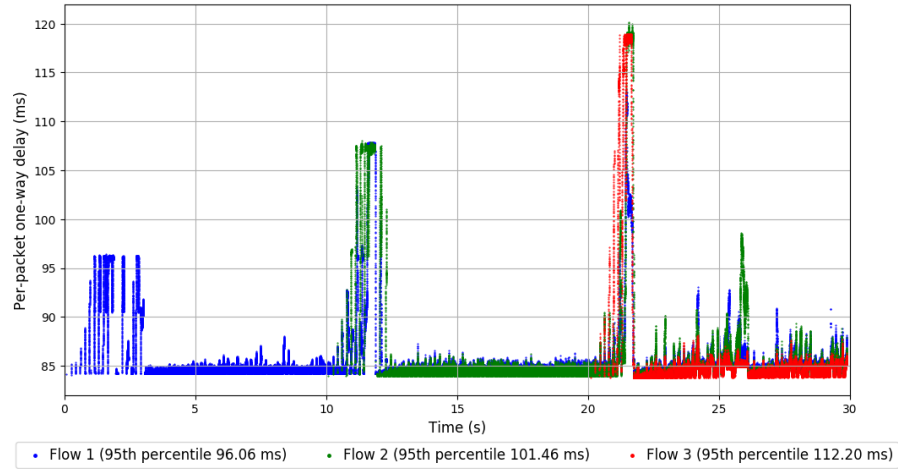
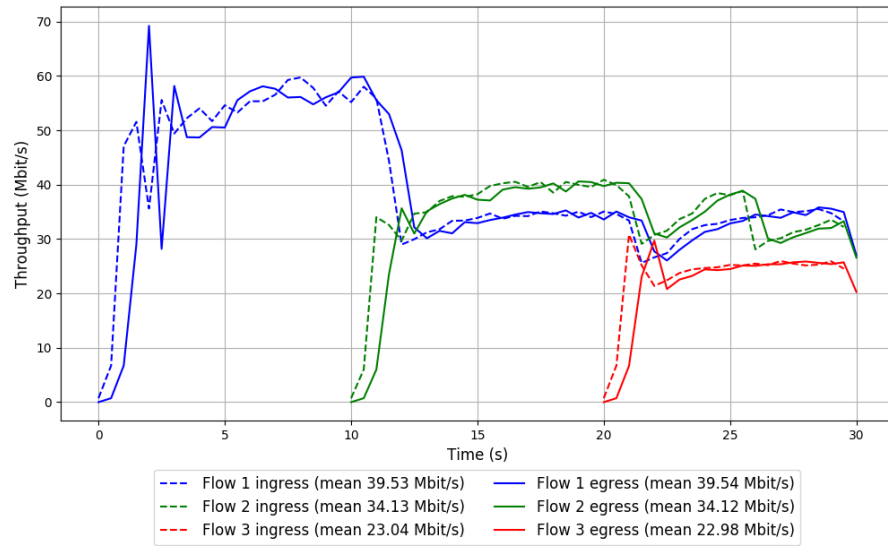


Run 1: Statistics of TCP Cubic

Start at: 2018-08-02 00:26:27
End at: 2018-08-02 00:26:57
Local clock offset: -5.886 ms
Remote clock offset: 17.885 ms

Below is generated by plot.py at 2018-08-02 03:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 96.147 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 96.057 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 101.459 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 1.93%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-02 00:47:46

End at: 2018-08-02 00:48:16

Local clock offset: -6.588 ms

Remote clock offset: 0.796 ms

Below is generated by plot.py at 2018-08-02 03:51:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 96.246 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 25.20 Mbit/s

95th percentile per-packet one-way delay: 96.081 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 24.96 Mbit/s

95th percentile per-packet one-way delay: 96.959 ms

Loss rate: 1.25%

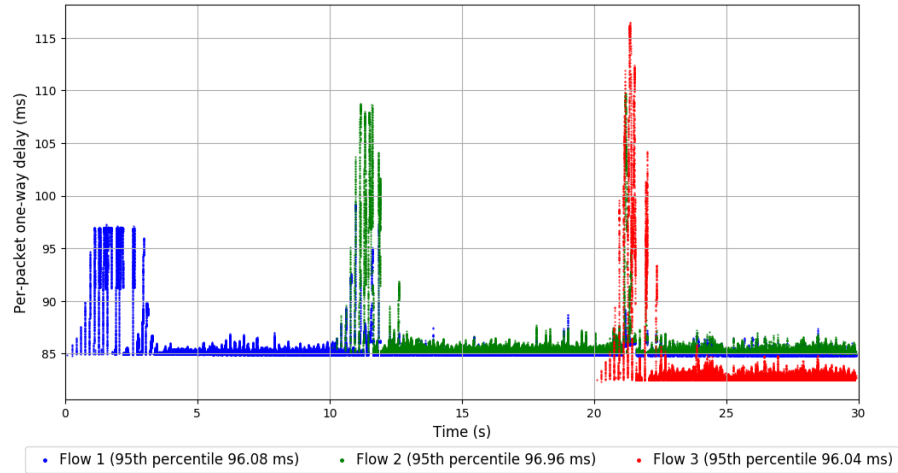
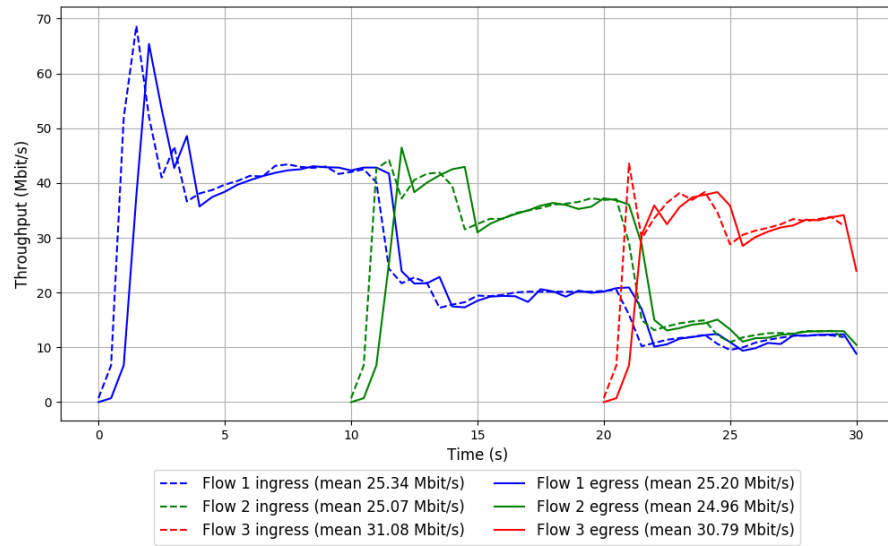
-- Flow 3:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 96.040 ms

Loss rate: 2.60%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-02 01:08:59

End at: 2018-08-02 01:09:29

Local clock offset: -5.92 ms

Remote clock offset: 9.836 ms

Below is generated by plot.py at 2018-08-02 03:51:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 88.811 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 47.76 Mbit/s

95th percentile per-packet one-way delay: 88.435 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 31.43 Mbit/s

95th percentile per-packet one-way delay: 100.311 ms

Loss rate: 0.68%

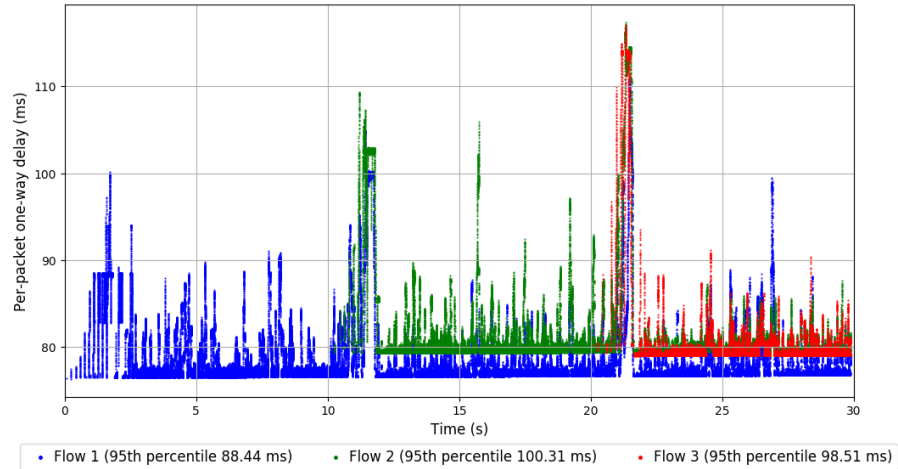
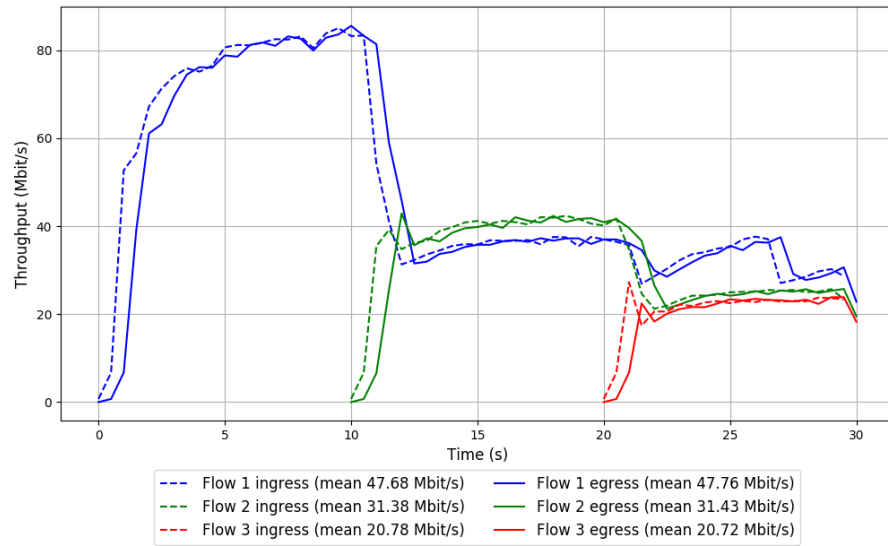
-- Flow 3:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 98.511 ms

Loss rate: 1.97%

Run 3: Report of TCP Cubic — Data Link

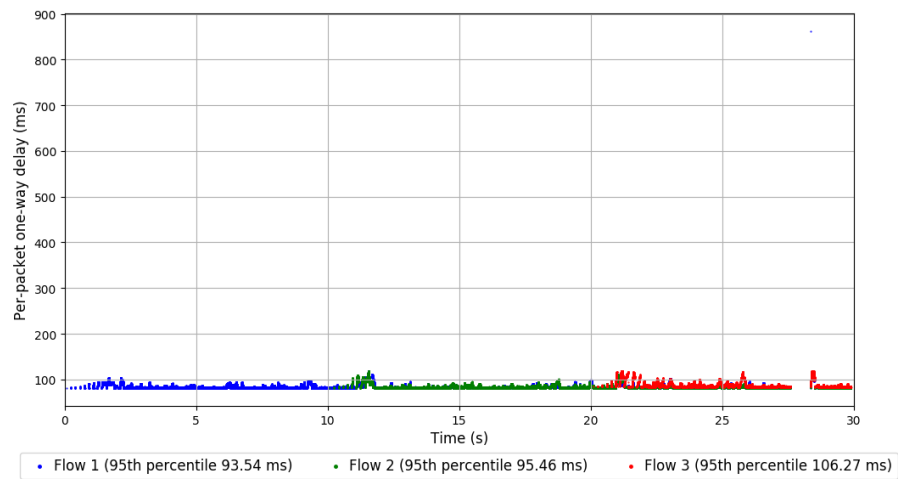
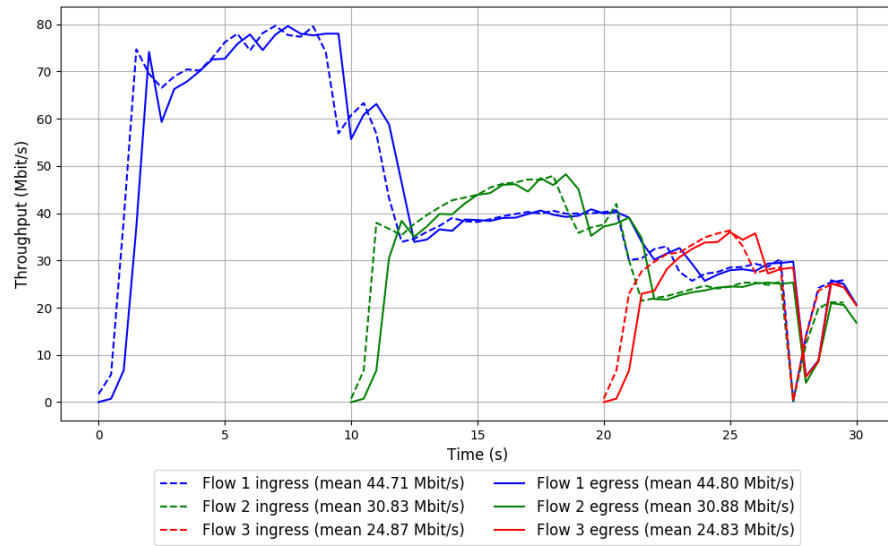


Run 4: Statistics of TCP Cubic

Start at: 2018-08-02 01:30:02
End at: 2018-08-02 01:30:32
Local clock offset: -6.324 ms
Remote clock offset: 10.817 ms

Below is generated by plot.py at 2018-08-02 03:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 94.754 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 93.540 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 95.462 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 106.272 ms
Loss rate: 1.82%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-02 01:51:03

End at: 2018-08-02 01:51:33

Local clock offset: -6.729 ms

Remote clock offset: 8.353 ms

Below is generated by plot.py at 2018-08-02 03:51:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.30 Mbit/s

95th percentile per-packet one-way delay: 92.184 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 36.94 Mbit/s

95th percentile per-packet one-way delay: 89.480 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 29.86 Mbit/s

95th percentile per-packet one-way delay: 98.041 ms

Loss rate: 0.65%

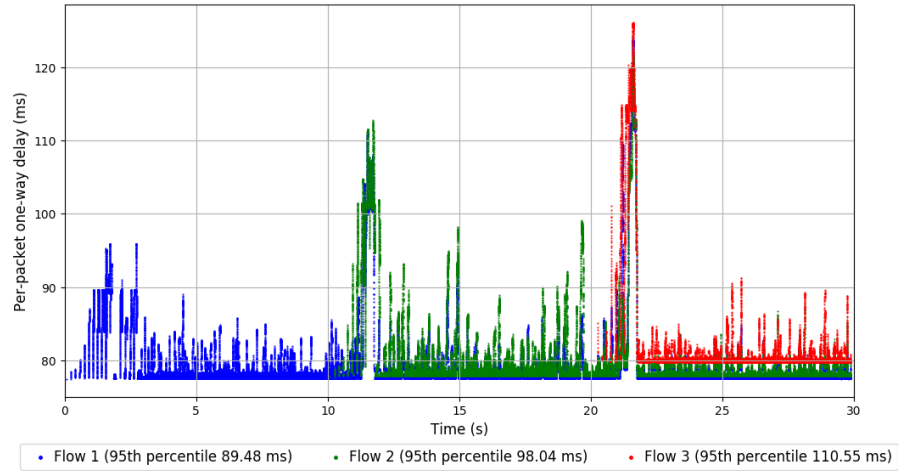
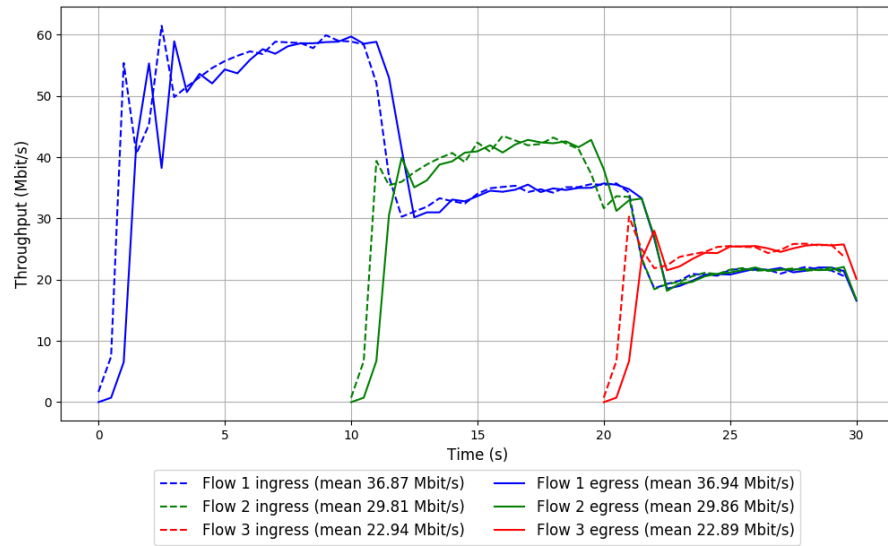
-- Flow 3:

Average throughput: 22.89 Mbit/s

95th percentile per-packet one-way delay: 110.552 ms

Loss rate: 1.85%

Run 5: Report of TCP Cubic — Data Link

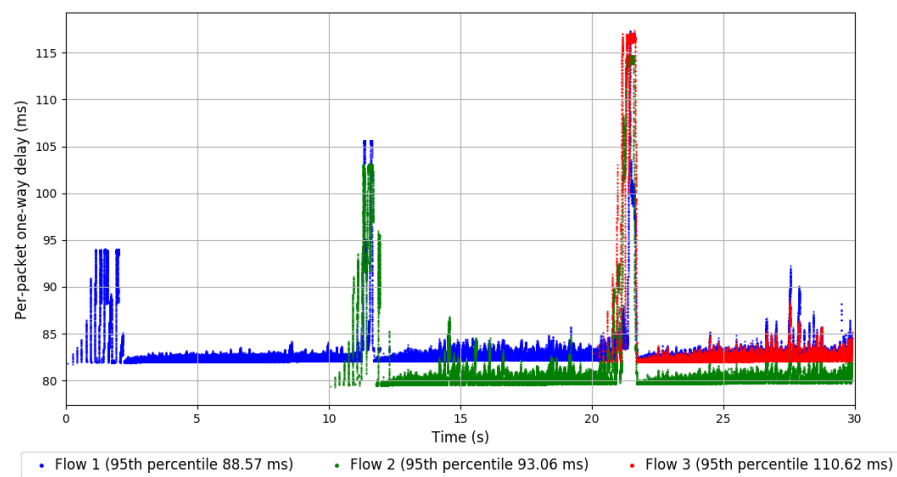
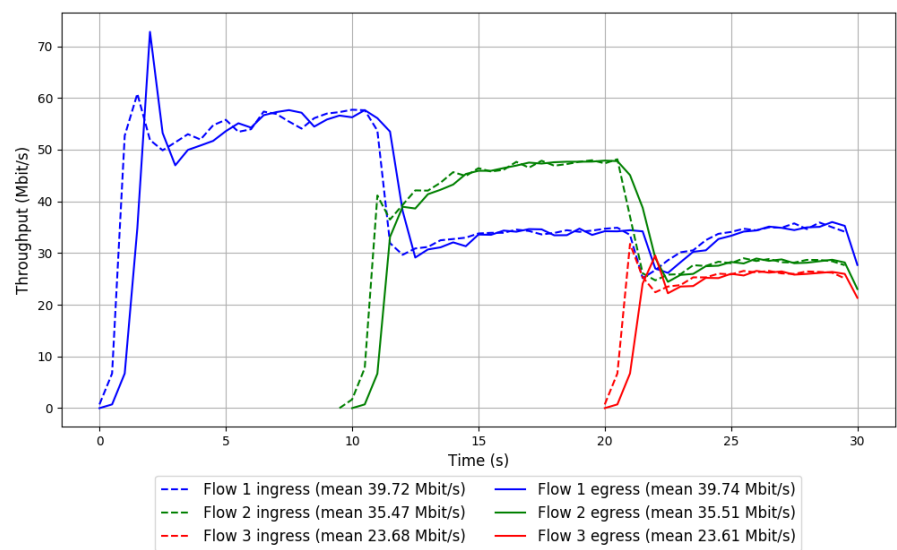


Run 6: Statistics of TCP Cubic

Start at: 2018-08-02 02:12:04
End at: 2018-08-02 02:12:34
Local clock offset: -6.066 ms
Remote clock offset: 6.898 ms

Below is generated by plot.py at 2018-08-02 03:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 91.416 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 88.569 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 93.059 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 110.622 ms
Loss rate: 1.92%

Run 6: Report of TCP Cubic — Data Link

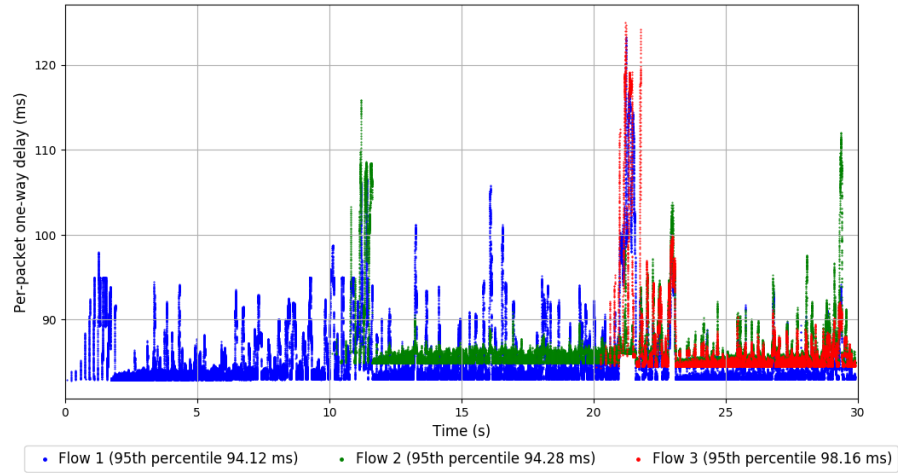
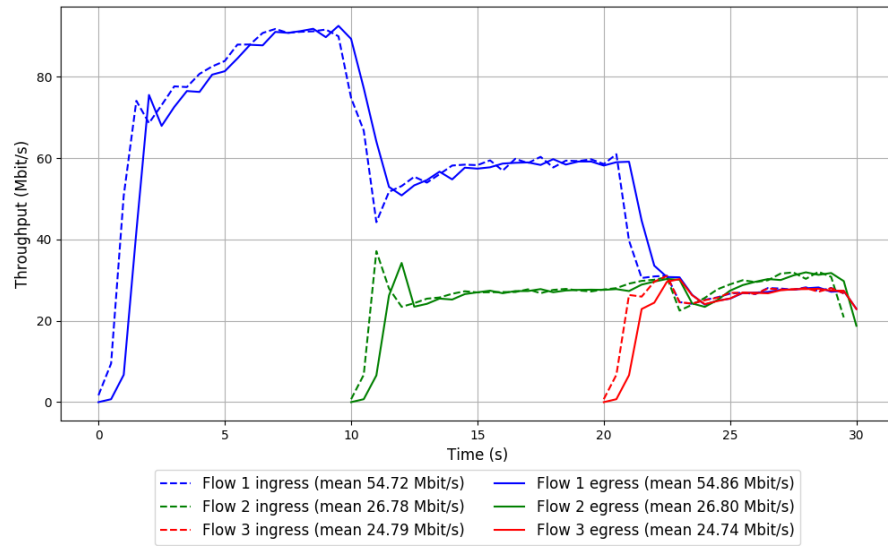


Run 7: Statistics of TCP Cubic

Start at: 2018-08-02 02:33:07
End at: 2018-08-02 02:33:37
Local clock offset: -6.548 ms
Remote clock offset: 11.899 ms

Below is generated by plot.py at 2018-08-02 03:51:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.78 Mbit/s
95th percentile per-packet one-way delay: 94.426 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 94.123 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 94.279 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 98.156 ms
Loss rate: 1.86%

Run 7: Report of TCP Cubic — Data Link

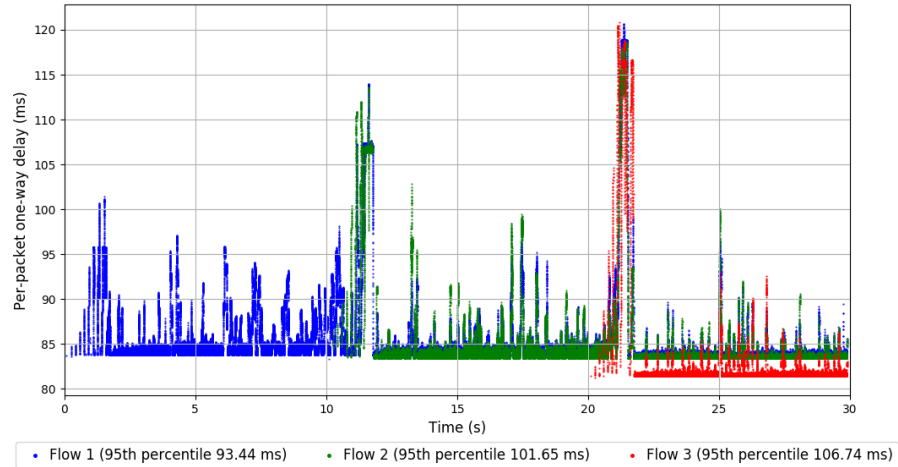
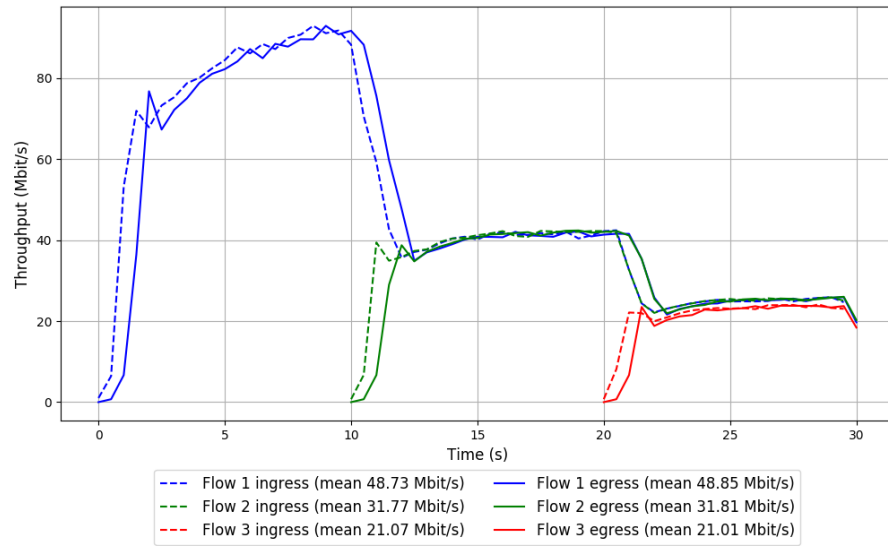


Run 8: Statistics of TCP Cubic

Start at: 2018-08-02 02:54:15
End at: 2018-08-02 02:54:45
Local clock offset: -6.851 ms
Remote clock offset: 10.284 ms

Below is generated by plot.py at 2018-08-02 03:51:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.88 Mbit/s
95th percentile per-packet one-way delay: 95.069 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 93.445 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 101.650 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 106.736 ms
Loss rate: 1.92%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-02 03:15:17

End at: 2018-08-02 03:15:47

Local clock offset: -7.42 ms

Remote clock offset: 7.307 ms

Below is generated by plot.py at 2018-08-02 03:51:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 97.442 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 38.14 Mbit/s

95th percentile per-packet one-way delay: 94.778 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 103.343 ms

Loss rate: 0.72%

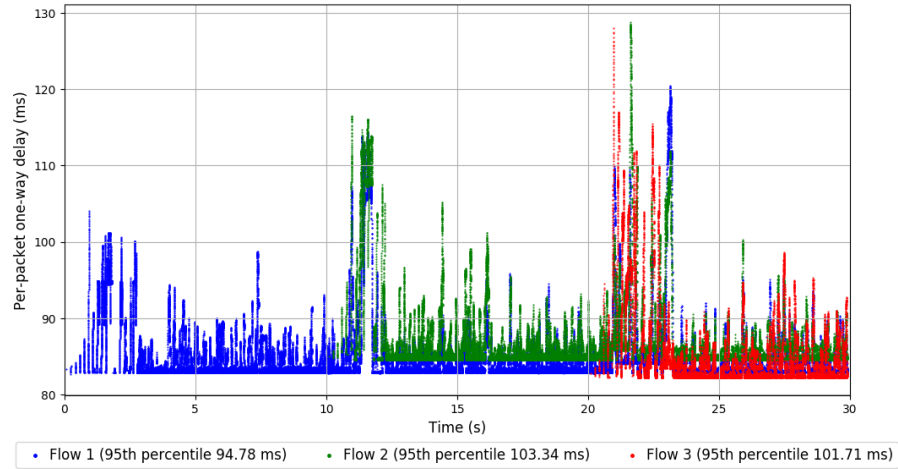
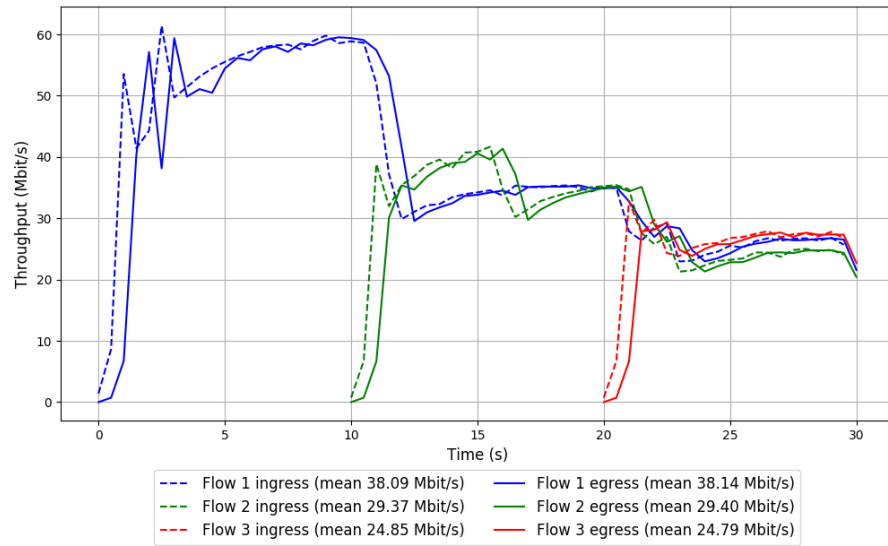
-- Flow 3:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 101.708 ms

Loss rate: 1.84%

Run 9: Report of TCP Cubic — Data Link

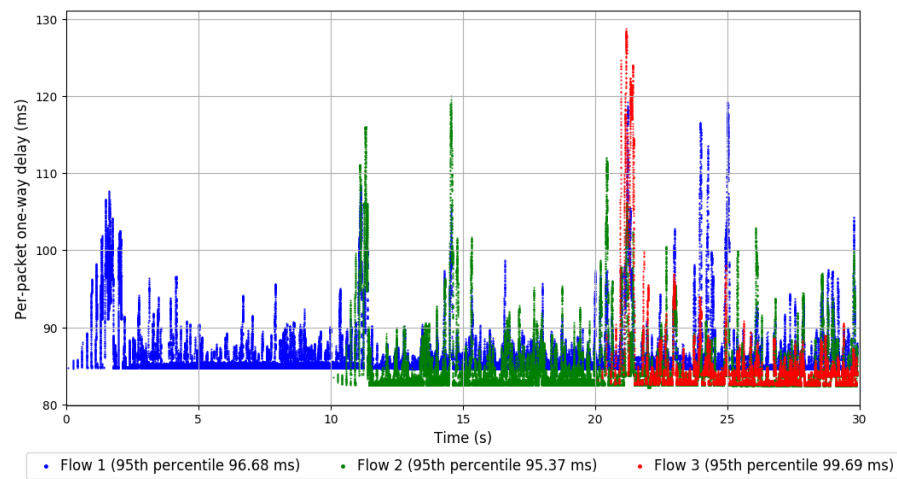
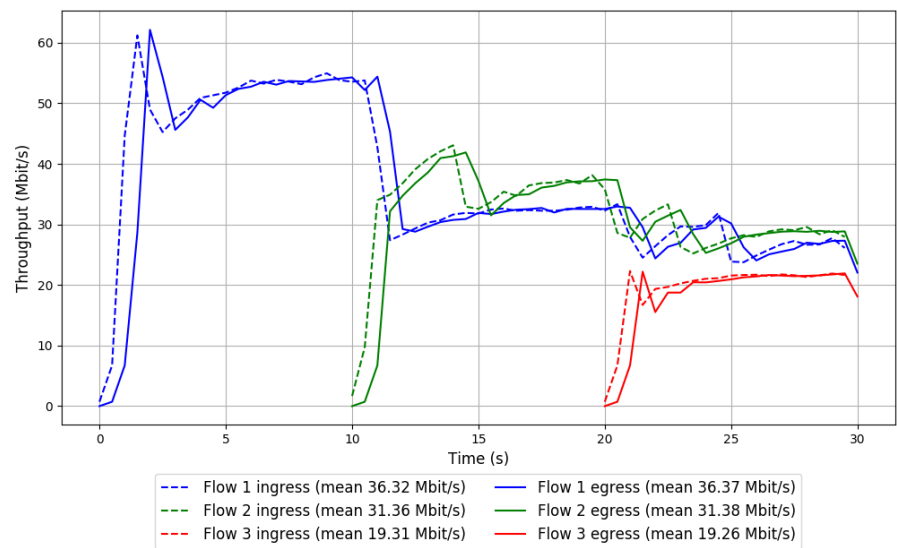


Run 10: Statistics of TCP Cubic

Start at: 2018-08-02 03:36:34
End at: 2018-08-02 03:37:04
Local clock offset: -7.306 ms
Remote clock offset: -1.593 ms

Below is generated by plot.py at 2018-08-02 03:52:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.54 Mbit/s
95th percentile per-packet one-way delay: 96.618 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 96.678 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 95.373 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 99.693 ms
Loss rate: 1.93%

Run 10: Report of TCP Cubic — Data Link

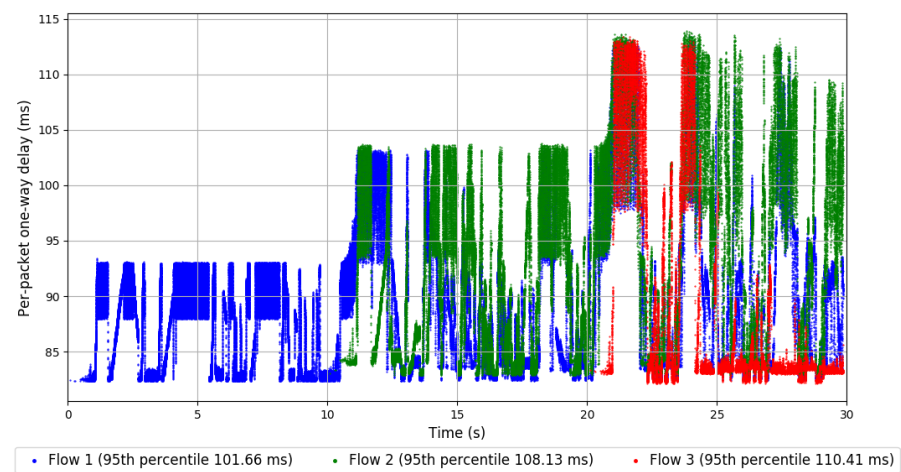
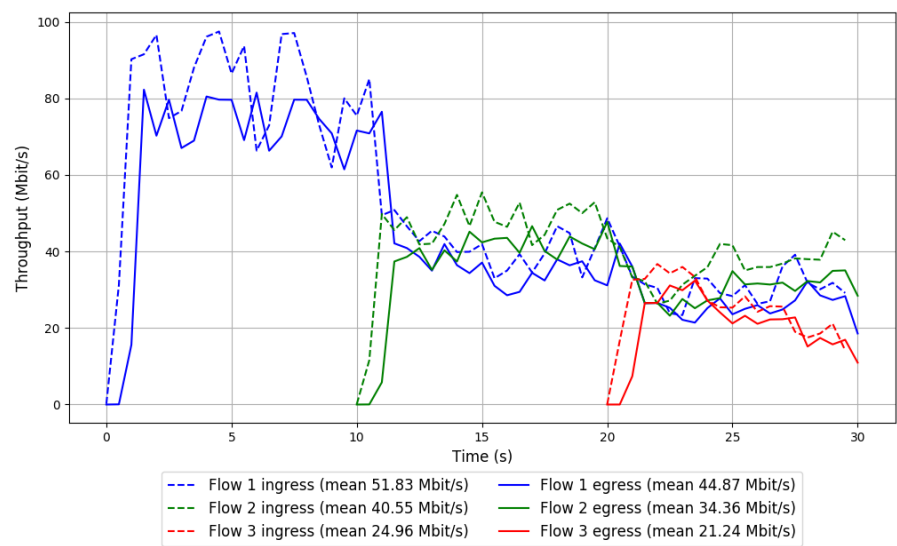


Run 1: Statistics of FillP

Start at: 2018-08-02 00:22:39
End at: 2018-08-02 00:23:09
Local clock offset: -5.599 ms
Remote clock offset: 16.615 ms

Below is generated by plot.py at 2018-08-02 03:52:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.63 Mbit/s
95th percentile per-packet one-way delay: 105.857 ms
Loss rate: 14.78%
-- Flow 1:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 101.663 ms
Loss rate: 13.91%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 108.132 ms
Loss rate: 16.01%
-- Flow 3:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 110.408 ms
Loss rate: 16.30%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-02 00:43:57

End at: 2018-08-02 00:44:27

Local clock offset: -6.553 ms

Remote clock offset: 3.353 ms

Below is generated by plot.py at 2018-08-02 03:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 111.641 ms

Loss rate: 2.64%

-- Flow 1:

Average throughput: 58.15 Mbit/s

95th percentile per-packet one-way delay: 111.409 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: 109.546 ms

Loss rate: 3.48%

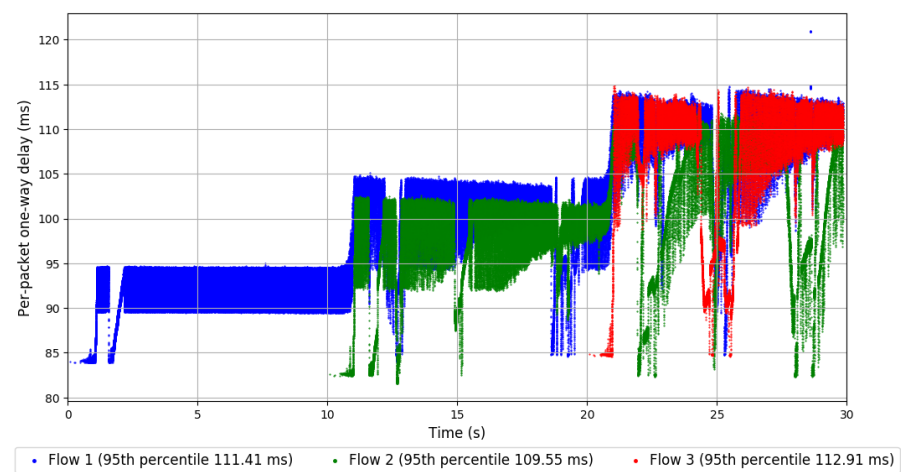
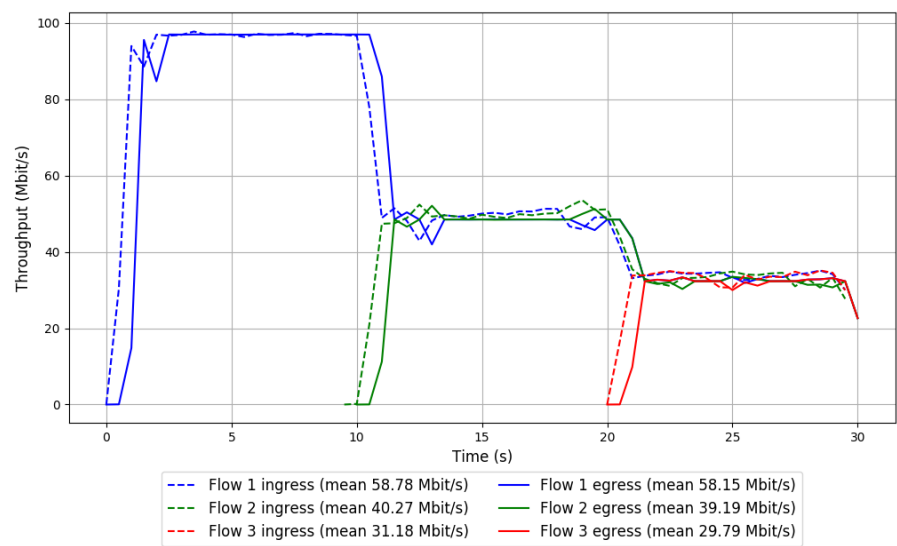
-- Flow 3:

Average throughput: 29.79 Mbit/s

95th percentile per-packet one-way delay: 112.910 ms

Loss rate: 6.07%

Run 2: Report of FillP — Data Link

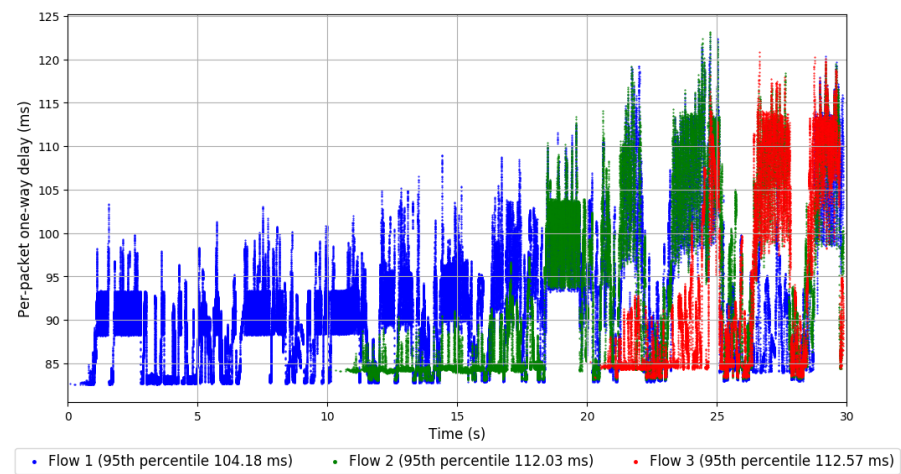
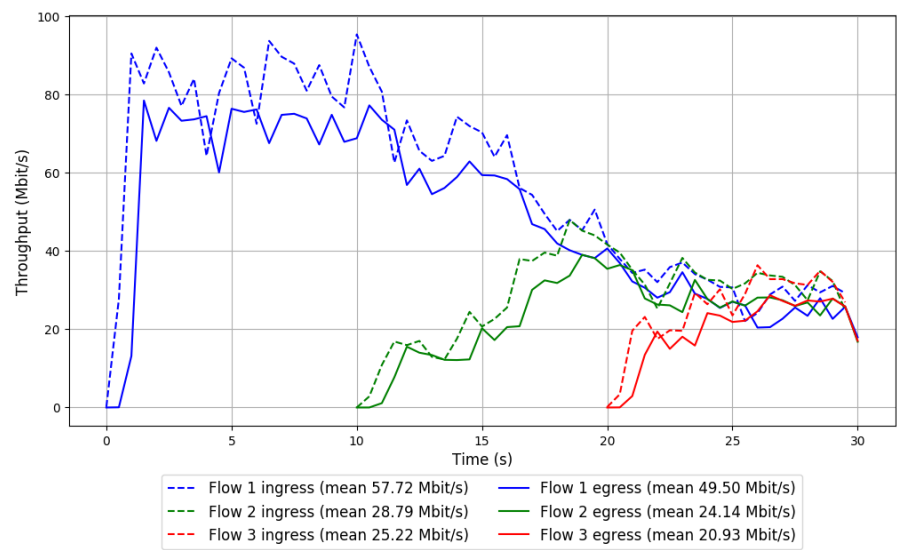


Run 3: Statistics of FillP

Start at: 2018-08-02 01:05:01
End at: 2018-08-02 01:05:31
Local clock offset: -5.981 ms
Remote clock offset: 0.839 ms

Below is generated by plot.py at 2018-08-02 03:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 109.787 ms
Loss rate: 15.59%
-- Flow 1:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 104.179 ms
Loss rate: 14.74%
-- Flow 2:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 112.031 ms
Loss rate: 16.90%
-- Flow 3:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 112.570 ms
Loss rate: 18.48%

Run 3: Report of FillP — Data Link

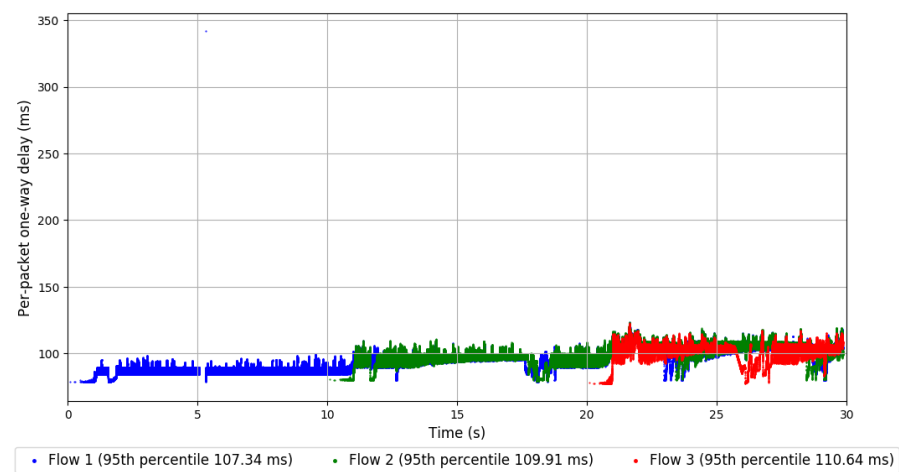
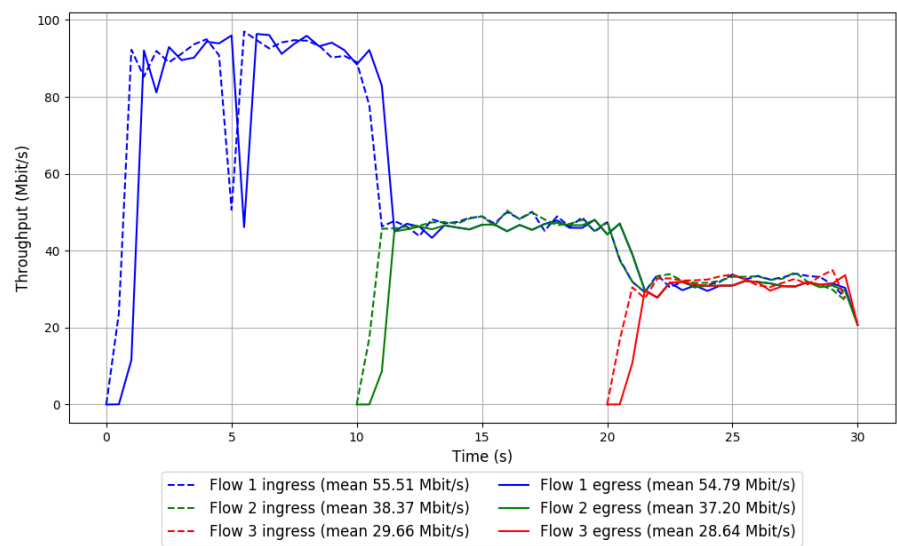


Run 4: Statistics of FillP

Start at: 2018-08-02 01:26:15
End at: 2018-08-02 01:26:45
Local clock offset: -6.032 ms
Remote clock offset: 15.079 ms

Below is generated by plot.py at 2018-08-02 03:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 108.552 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 107.344 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 109.912 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 110.641 ms
Loss rate: 5.19%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-02 01:47:18

End at: 2018-08-02 01:47:48

Local clock offset: -6.687 ms

Remote clock offset: 9.03 ms

Below is generated by plot.py at 2018-08-02 03:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 109.095 ms

Loss rate: 3.17%

-- Flow 1:

Average throughput: 54.72 Mbit/s

95th percentile per-packet one-way delay: 106.499 ms

Loss rate: 2.05%

-- Flow 2:

Average throughput: 37.12 Mbit/s

95th percentile per-packet one-way delay: 110.824 ms

Loss rate: 4.60%

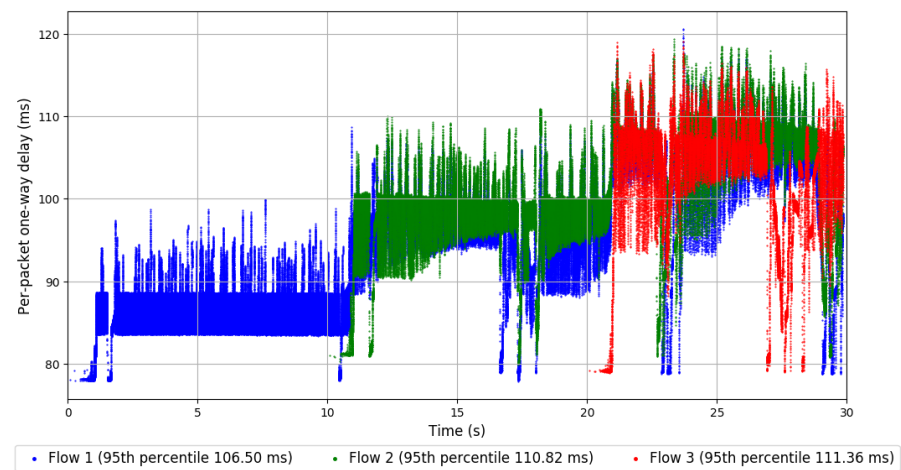
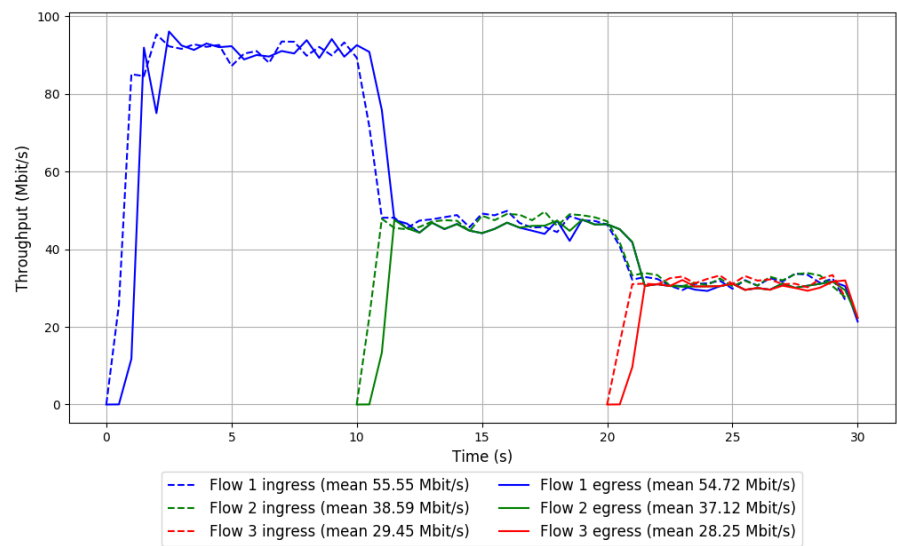
-- Flow 3:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 111.360 ms

Loss rate: 5.78%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-02 02:08:15

End at: 2018-08-02 02:08:45

Local clock offset: -6.104 ms

Remote clock offset: 6.645 ms

Below is generated by plot.py at 2018-08-02 03:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.08 Mbit/s

95th percentile per-packet one-way delay: 97.860 ms

Loss rate: 15.35%

-- Flow 1:

Average throughput: 55.93 Mbit/s

95th percentile per-packet one-way delay: 98.037 ms

Loss rate: 14.96%

-- Flow 2:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 98.047 ms

Loss rate: 16.34%

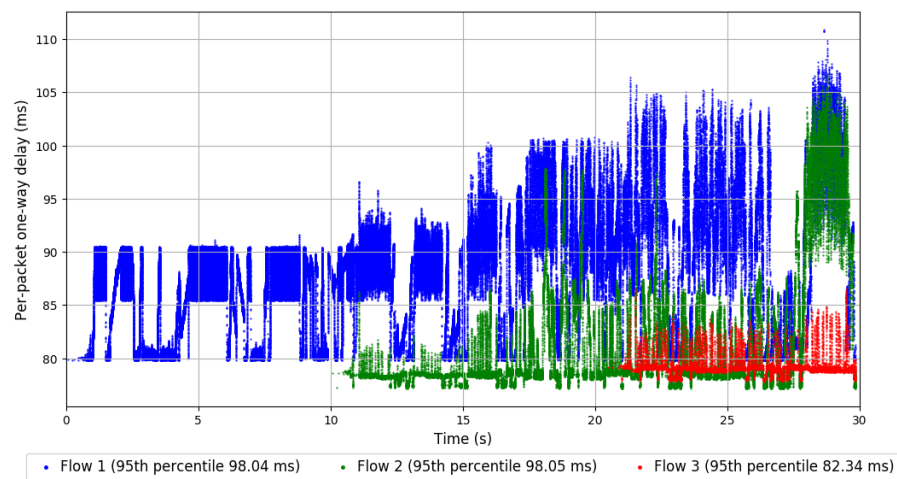
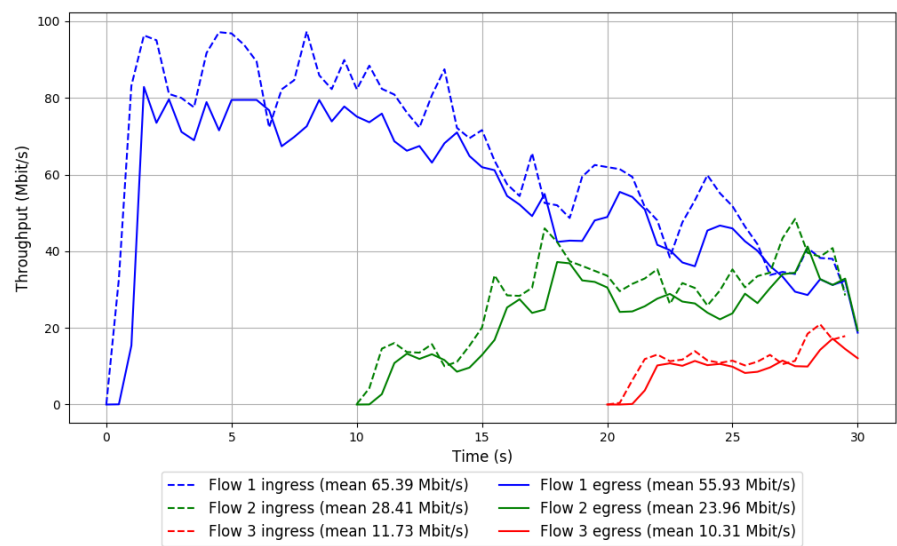
-- Flow 3:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 82.338 ms

Loss rate: 17.19%

Run 6: Report of FillP — Data Link

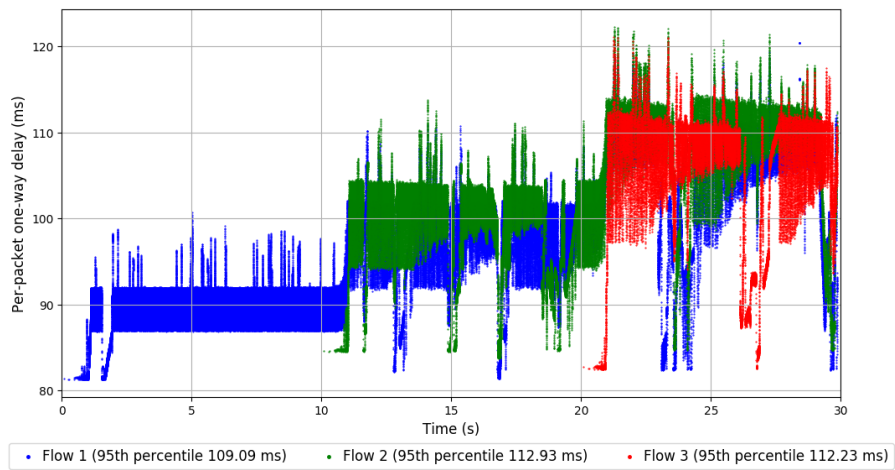
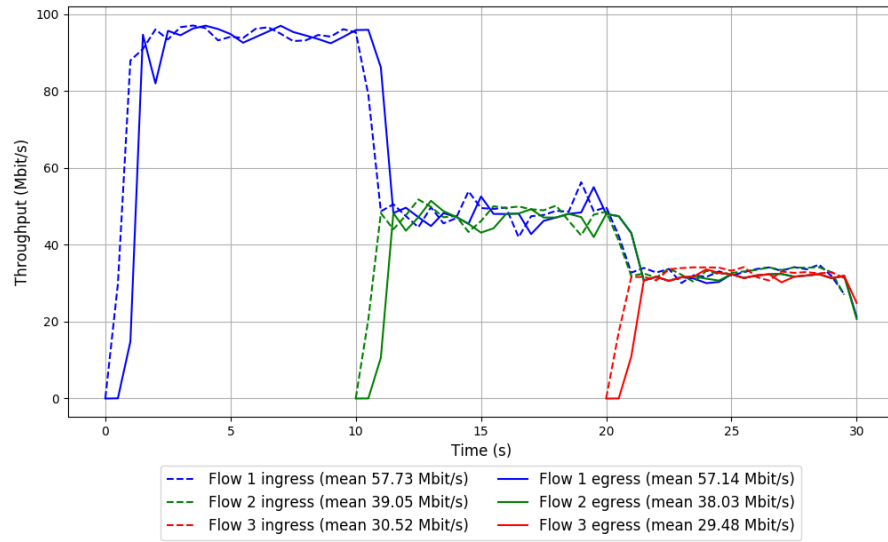


Run 7: Statistics of FillP

Start at: 2018-08-02 02:29:20
End at: 2018-08-02 02:29:50
Local clock offset: -6.381 ms
Remote clock offset: 12.384 ms

Below is generated by plot.py at 2018-08-02 03:53:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 111.413 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 109.088 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 112.926 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 112.234 ms
Loss rate: 5.03%

Run 7: Report of FillP — Data Link

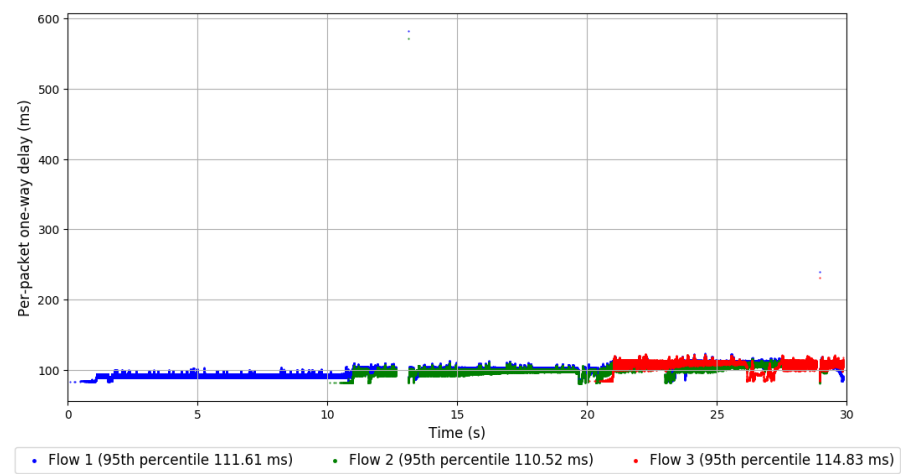
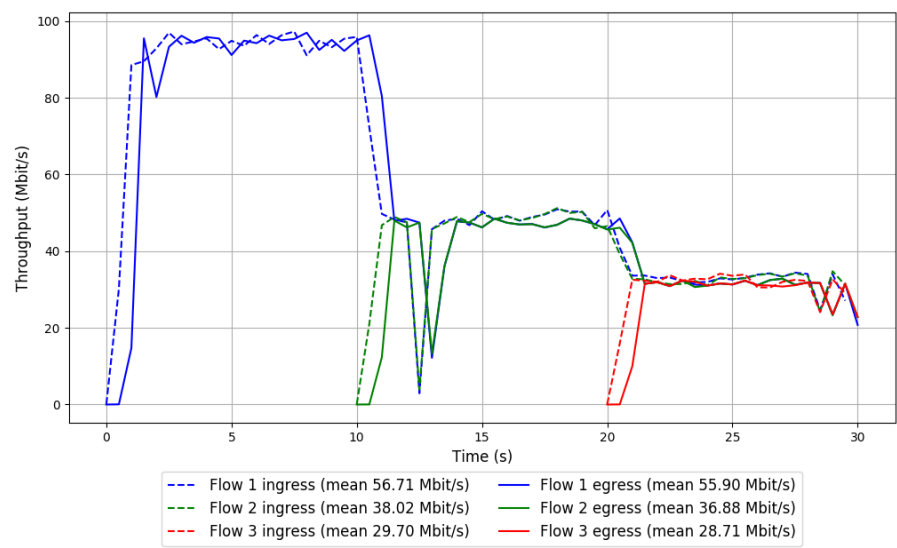


Run 8: Statistics of FillP

Start at: 2018-08-02 02:50:27
End at: 2018-08-02 02:50:57
Local clock offset: -6.728 ms
Remote clock offset: 11.343 ms

Below is generated by plot.py at 2018-08-02 03:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 112.124 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 111.610 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 110.524 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 114.826 ms
Loss rate: 4.97%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-02 03:11:30

End at: 2018-08-02 03:12:00

Local clock offset: -7.309 ms

Remote clock offset: 8.622 ms

Below is generated by plot.py at 2018-08-02 03:53:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.65 Mbit/s

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

Loss rate: 4.98%

-- Flow 1:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 112.334 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 117.078 ms

Loss rate: 7.87%

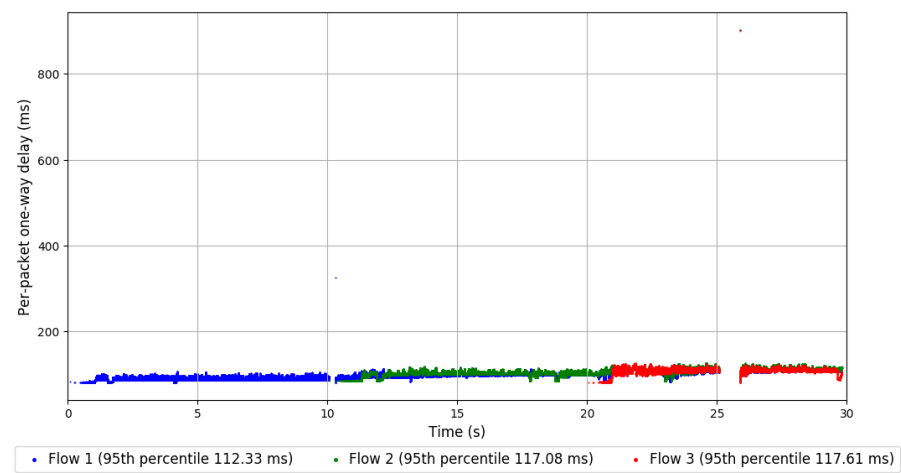
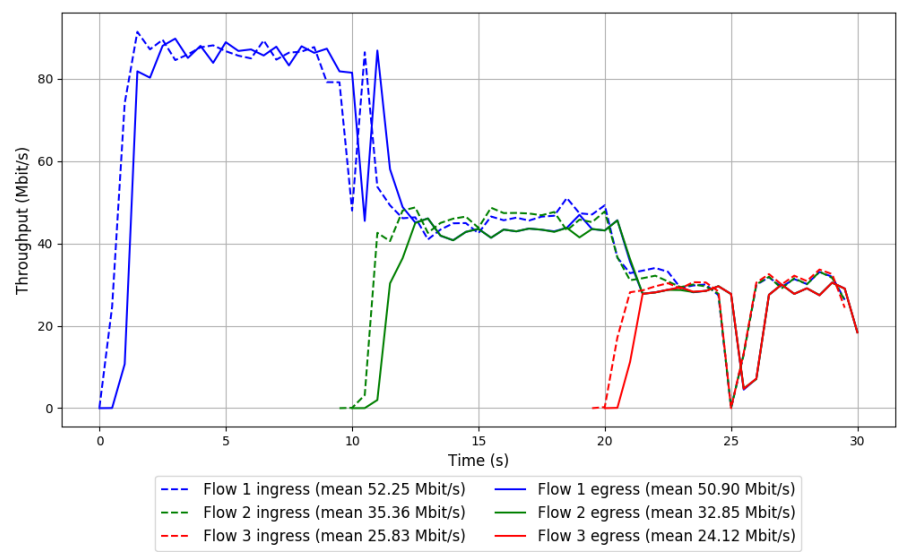
-- Flow 3:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 117.607 ms

Loss rate: 8.16%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-02 03:32:46

End at: 2018-08-02 03:33:16

Local clock offset: -7.27 ms

Remote clock offset: 4.439 ms

Below is generated by plot.py at 2018-08-02 03:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 111.663 ms

Loss rate: 4.48%

-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 109.405 ms

Loss rate: 2.86%

-- Flow 2:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 111.117 ms

Loss rate: 6.74%

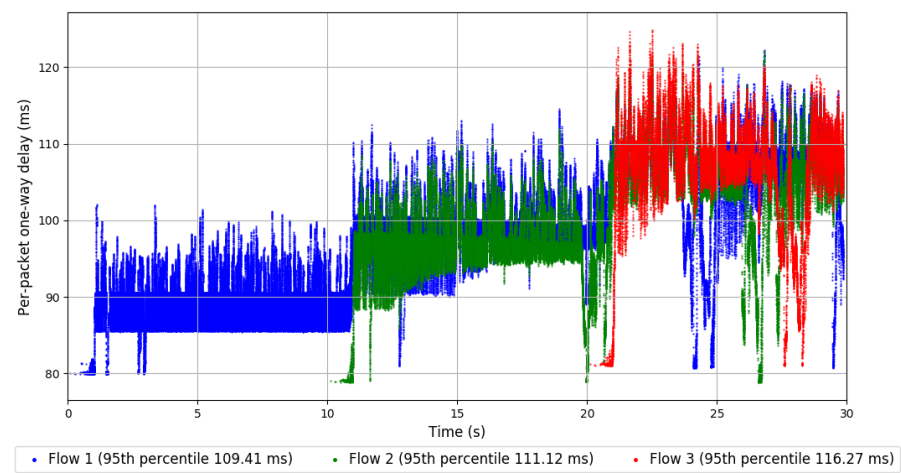
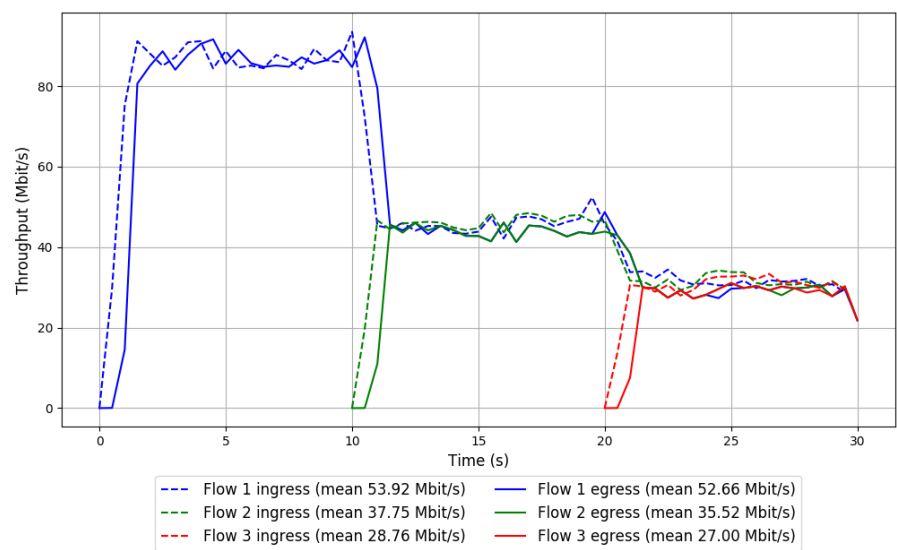
-- Flow 3:

Average throughput: 27.00 Mbit/s

95th percentile per-packet one-way delay: 116.268 ms

Loss rate: 7.67%

Run 10: Report of FillP — Data Link

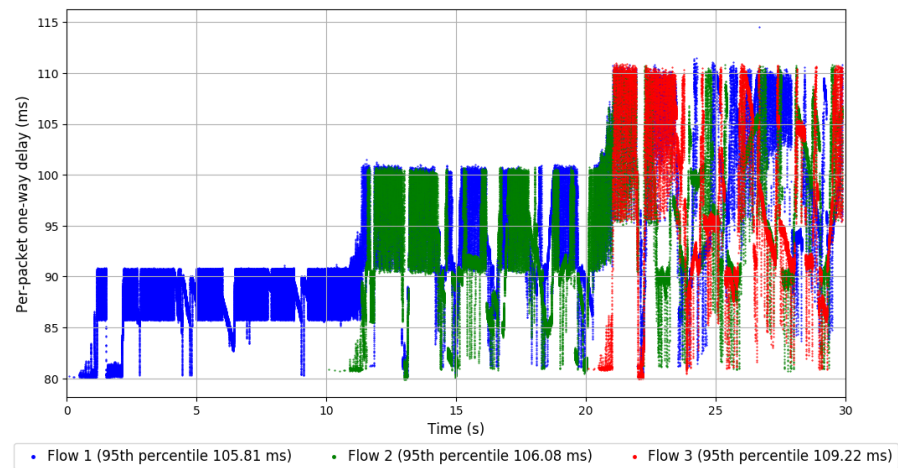
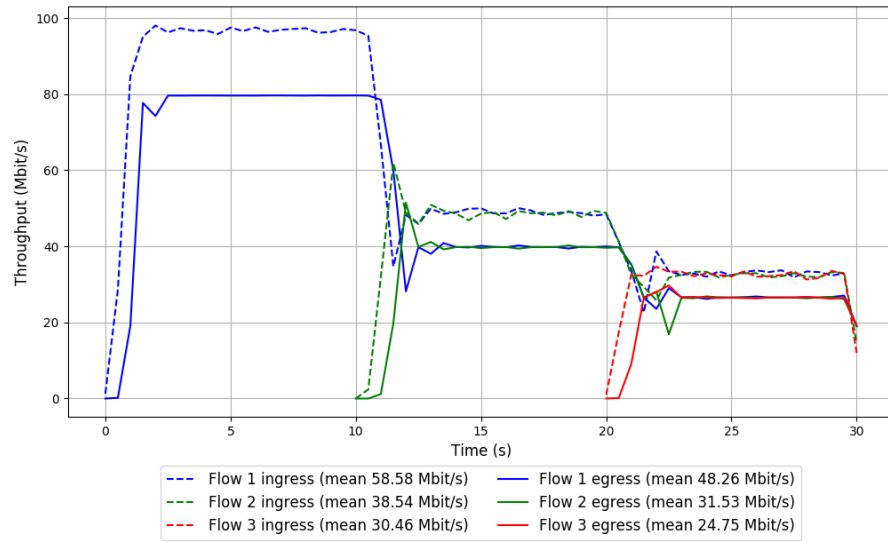


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-02 00:23:56
End at: 2018-08-02 00:24:26
Local clock offset: -5.747 ms
Remote clock offset: 21.521 ms

Below is generated by plot.py at 2018-08-02 03:54:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 106.944 ms
Loss rate: 19.02%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 105.815 ms
Loss rate: 18.18%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 106.075 ms
Loss rate: 19.78%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 109.224 ms
Loss rate: 21.89%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-02 00:45:13

End at: 2018-08-02 00:45:43

Local clock offset: -6.541 ms

Remote clock offset: 5.58 ms

Below is generated by plot.py at 2018-08-02 03:54:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 105.683 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 102.836 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 39.32 Mbit/s

95th percentile per-packet one-way delay: 107.672 ms

Loss rate: 1.80%

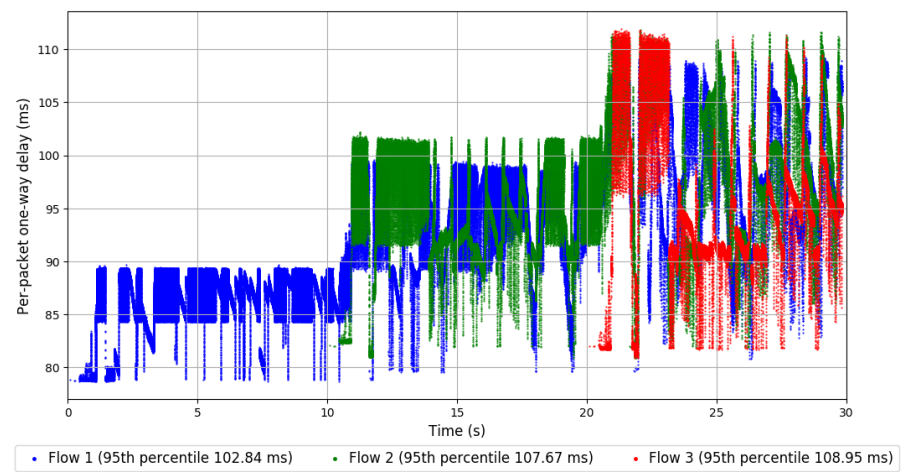
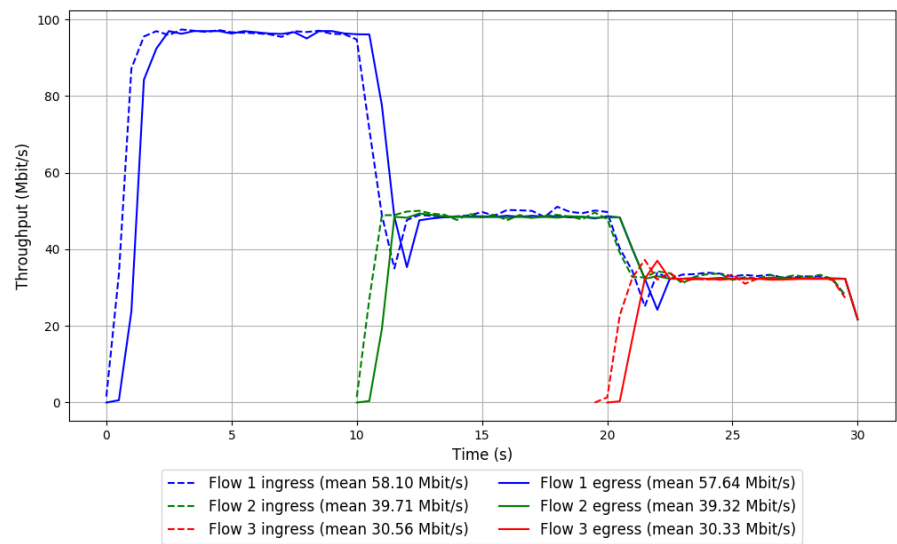
-- Flow 3:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 108.948 ms

Loss rate: 2.42%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-02 01:06:25

End at: 2018-08-02 01:06:55

Local clock offset: -5.966 ms

Remote clock offset: 6.671 ms

Below is generated by plot.py at 2018-08-02 03:54:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 107.796 ms

Loss rate: 17.28%

-- Flow 1:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 104.504 ms

Loss rate: 17.71%

-- Flow 2:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 108.793 ms

Loss rate: 17.32%

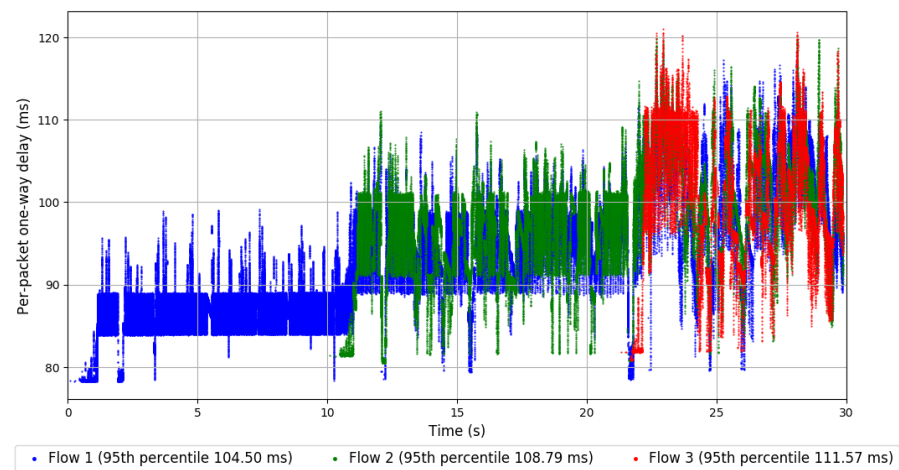
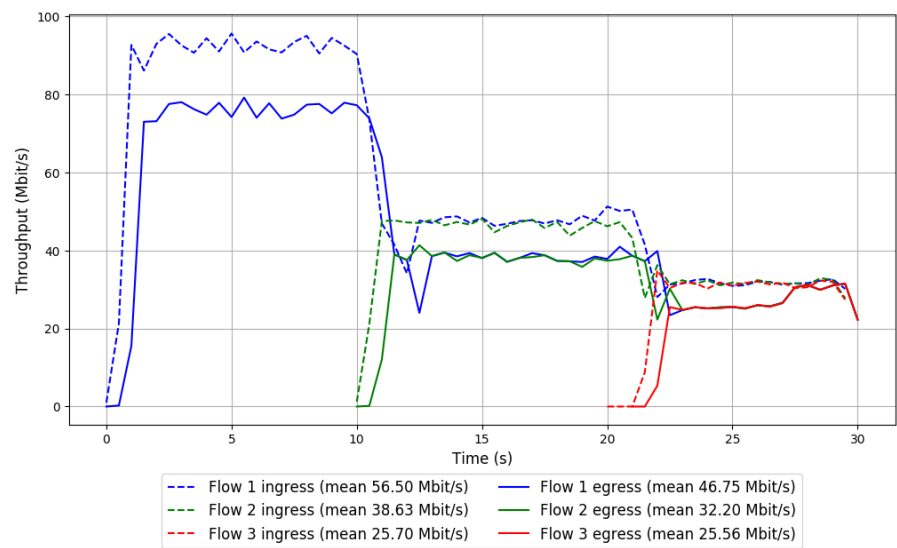
-- Flow 3:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 111.569 ms

Loss rate: 14.35%

Run 3: Report of FillP-Sheep — Data Link

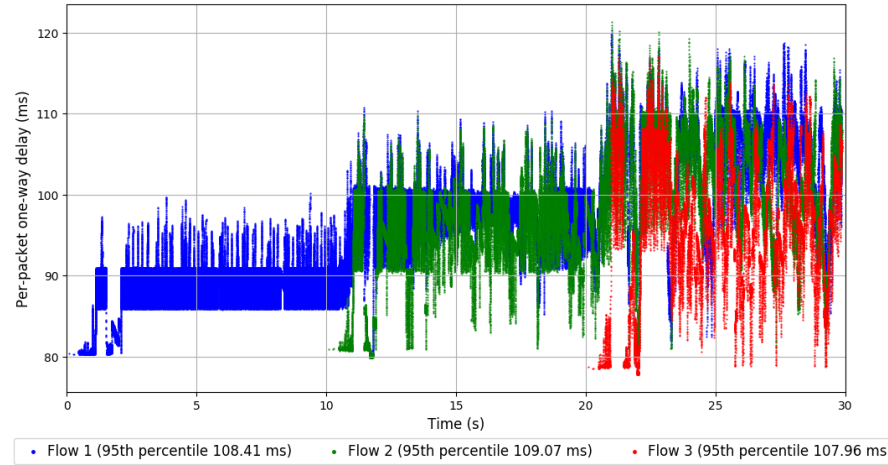
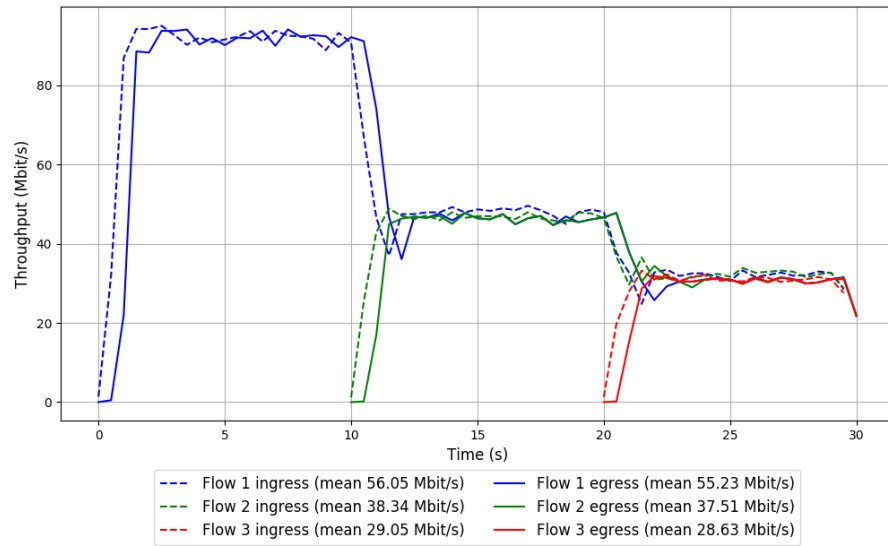


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-02 01:27:30
End at: 2018-08-02 01:28:00
Local clock offset: -6.133 ms
Remote clock offset: 14.355 ms

Below is generated by plot.py at 2018-08-02 03:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 108.614 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 108.412 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 109.072 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 107.956 ms
Loss rate: 3.06%

Run 4: Report of FillP-Sheep — Data Link

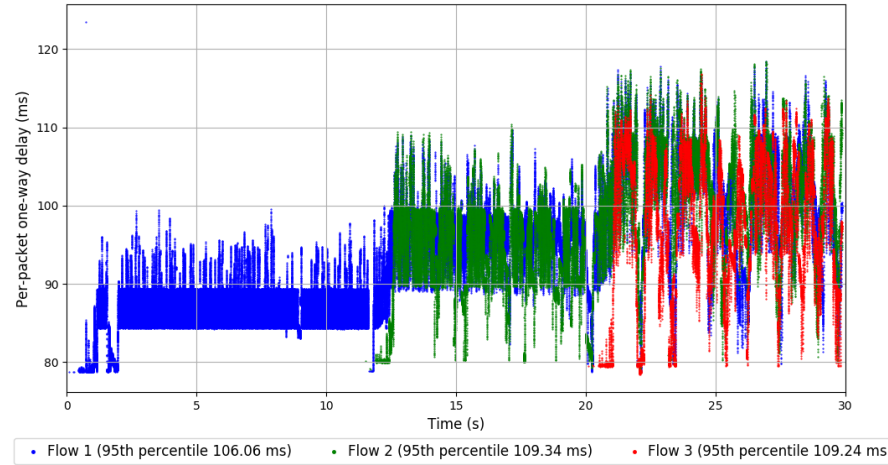
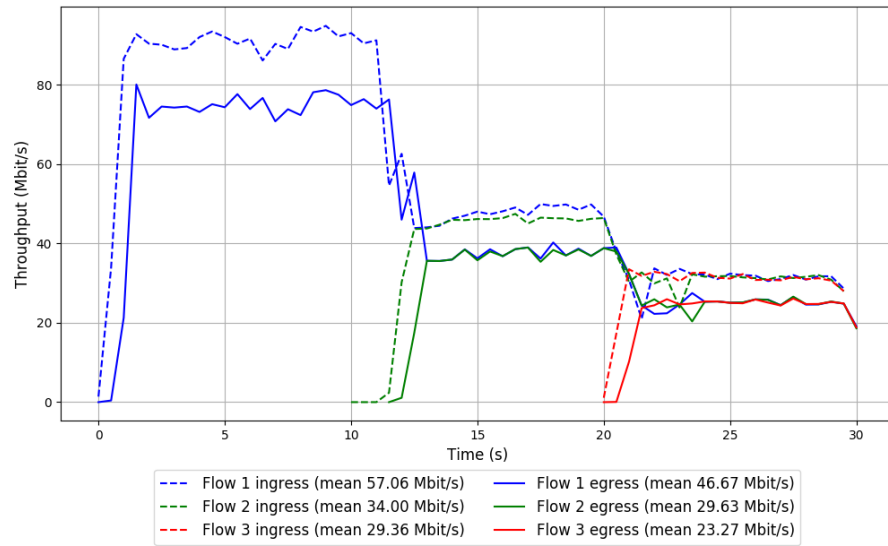


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-02 01:48:33
End at: 2018-08-02 01:49:03
Local clock offset: -6.715 ms
Remote clock offset: 10.186 ms

Below is generated by plot.py at 2018-08-02 03:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 107.761 ms
Loss rate: 19.38%
-- Flow 1:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 106.063 ms
Loss rate: 18.73%
-- Flow 2:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 109.336 ms
Loss rate: 19.79%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 109.244 ms
Loss rate: 22.21%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-02 02:09:30

End at: 2018-08-02 02:10:00

Local clock offset: -6.134 ms

Remote clock offset: 2.796 ms

Below is generated by plot.py at 2018-08-02 03:54:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 106.786 ms

Loss rate: 18.30%

-- Flow 1:

Average throughput: 48.33 Mbit/s

95th percentile per-packet one-way delay: 104.810 ms

Loss rate: 17.89%

-- Flow 2:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 107.339 ms

Loss rate: 18.68%

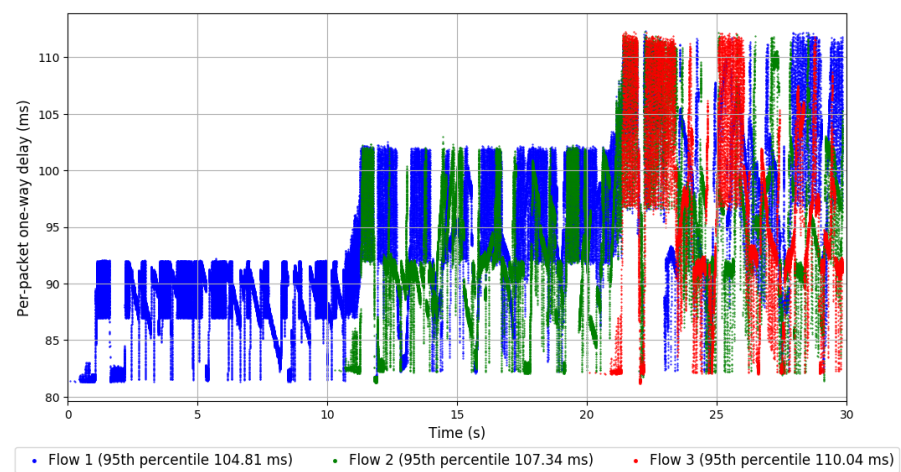
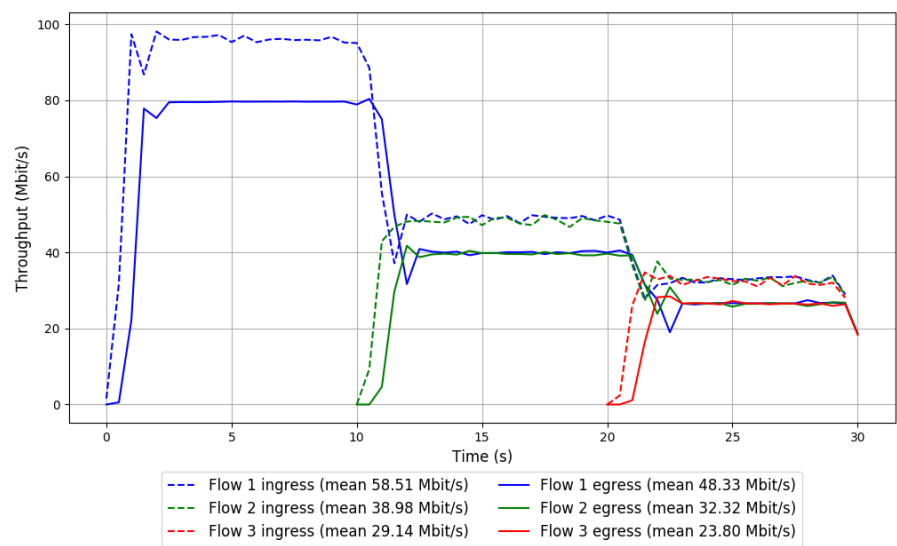
-- Flow 3:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 110.041 ms

Loss rate: 19.79%

Run 6: Report of FillP-Sheep — Data Link

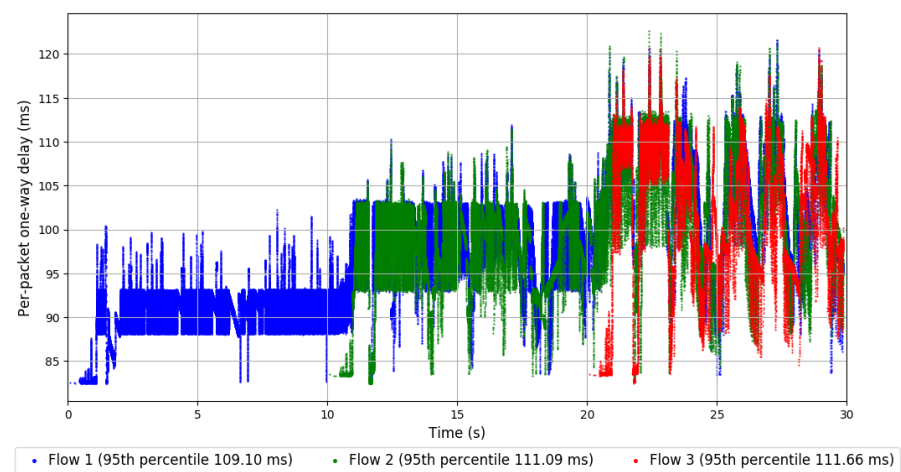
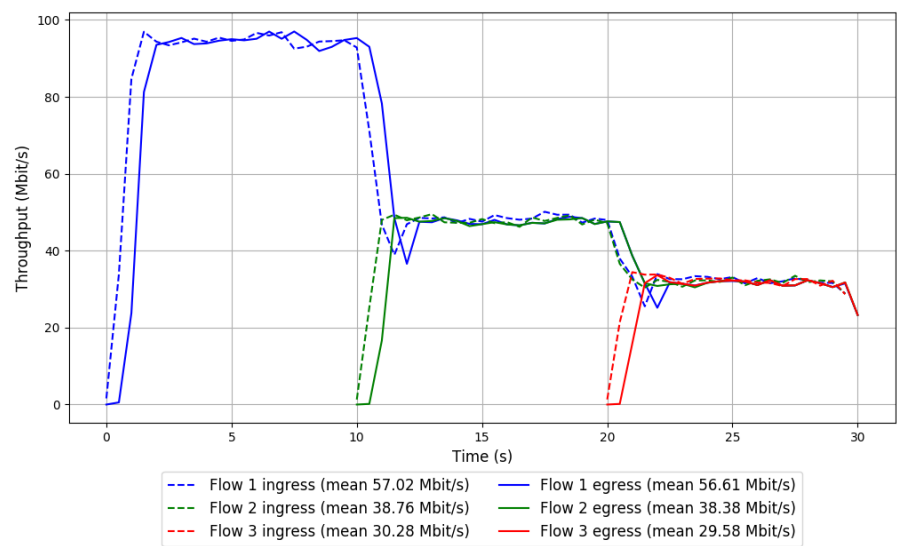


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-02 02:30:36
End at: 2018-08-02 02:31:06
Local clock offset: -6.437 ms
Remote clock offset: 11.523 ms

Below is generated by plot.py at 2018-08-02 03:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 110.430 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 109.097 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 111.093 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 111.655 ms
Loss rate: 4.13%

Run 7: Report of FillP-Sheep — Data Link

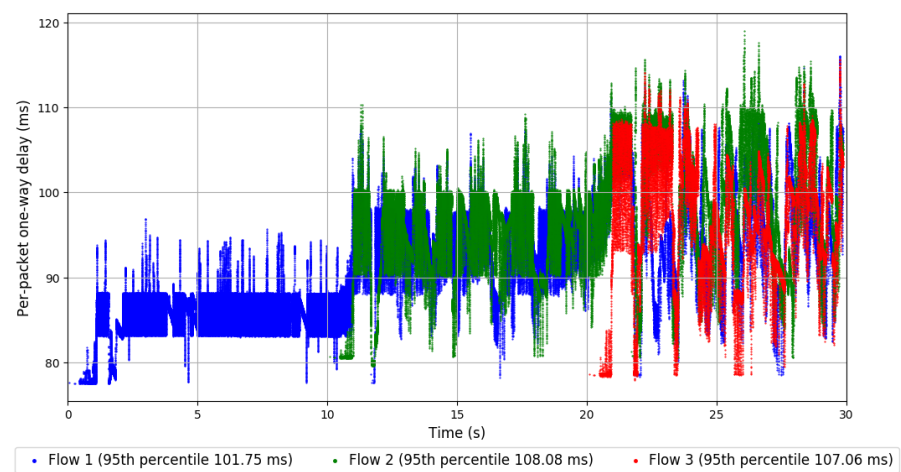
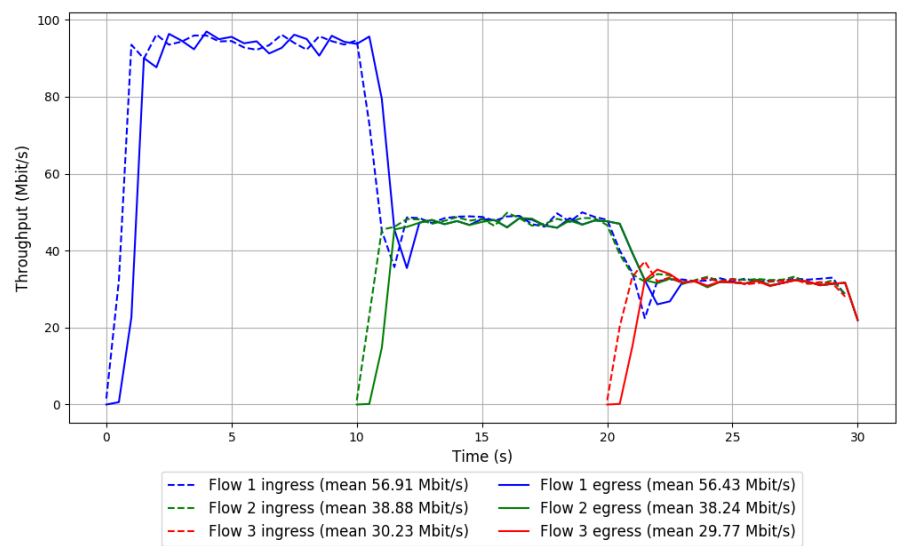


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-02 02:51:42
End at: 2018-08-02 02:52:12
Local clock offset: -6.822 ms
Remote clock offset: 14.701 ms

Below is generated by plot.py at 2018-08-02 03:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 105.723 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 101.754 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 108.081 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 107.057 ms
Loss rate: 3.19%

Run 8: Report of FillP-Sheep — Data Link

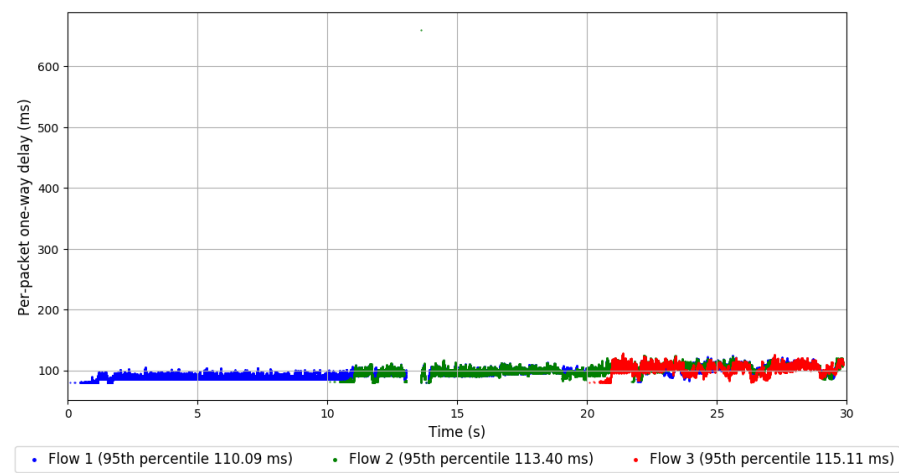
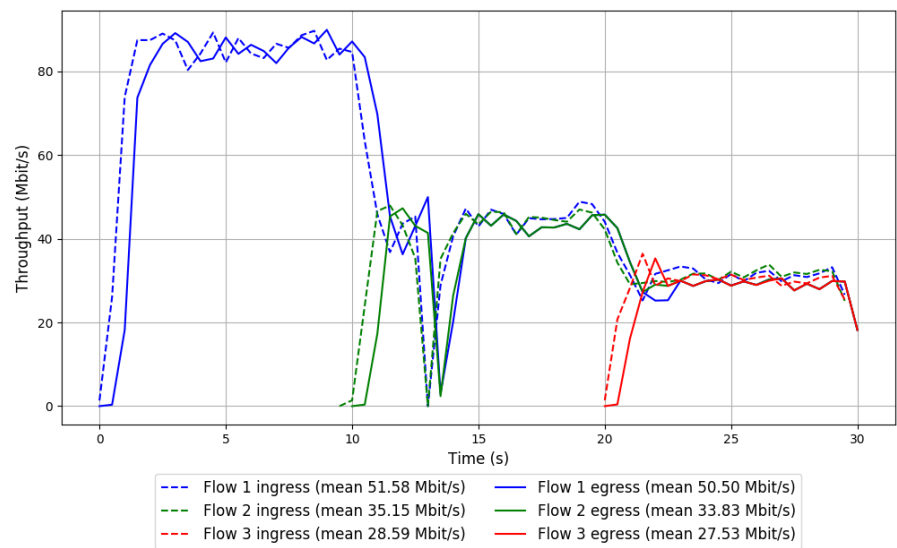


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-02 03:12:44
End at: 2018-08-02 03:13:14
Local clock offset: -7.375 ms
Remote clock offset: 12.223 ms

Below is generated by plot.py at 2018-08-02 03:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 112.266 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 110.087 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 113.402 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 115.112 ms
Loss rate: 5.29%

Run 9: Report of FillP-Sheep — Data Link

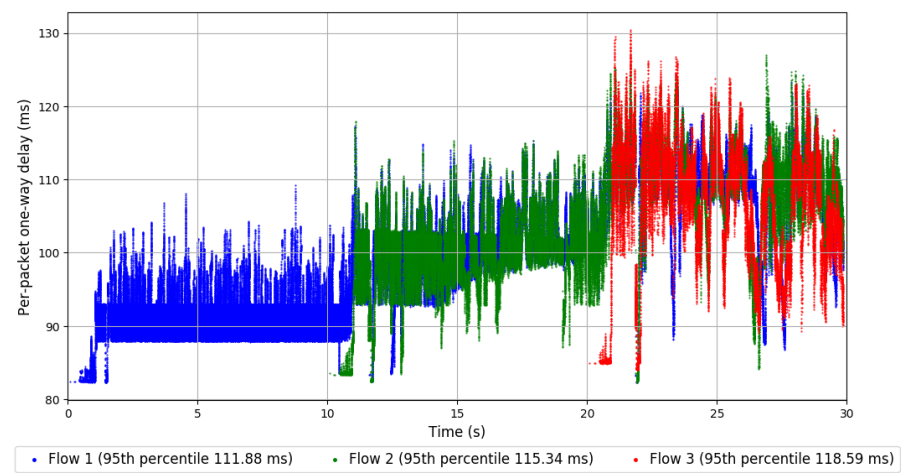
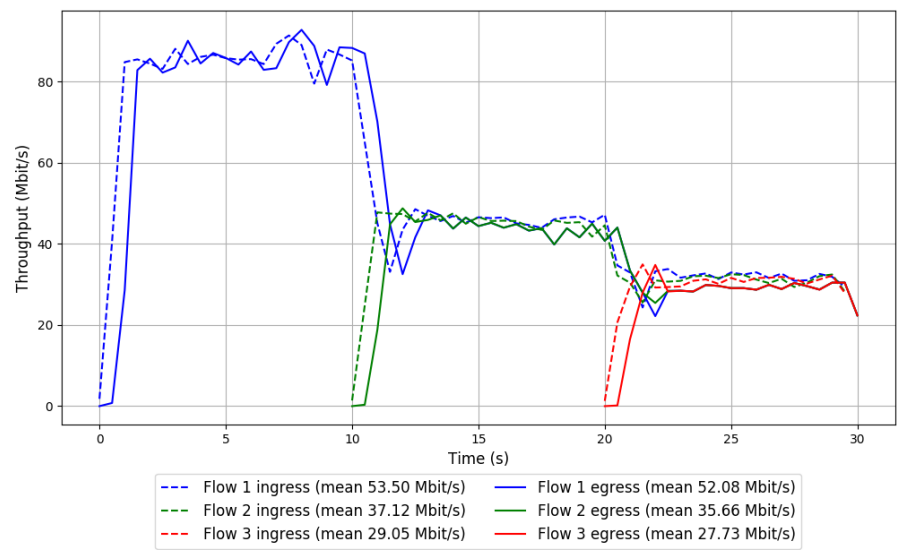


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-02 03:34:01
End at: 2018-08-02 03:34:31
Local clock offset: -7.305 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2018-08-02 03:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 114.326 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 115.336 ms
Loss rate: 4.73%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 118.594 ms
Loss rate: 6.15%

Run 10: Report of FillP-Sheep — Data Link

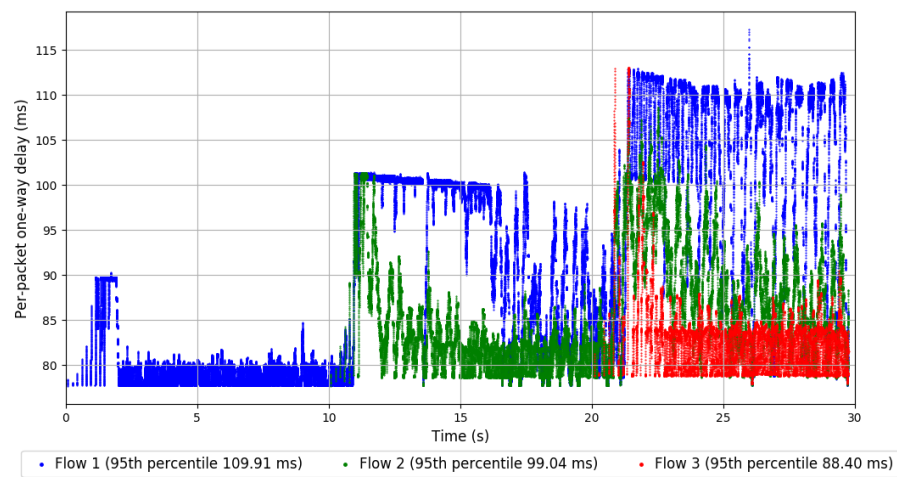
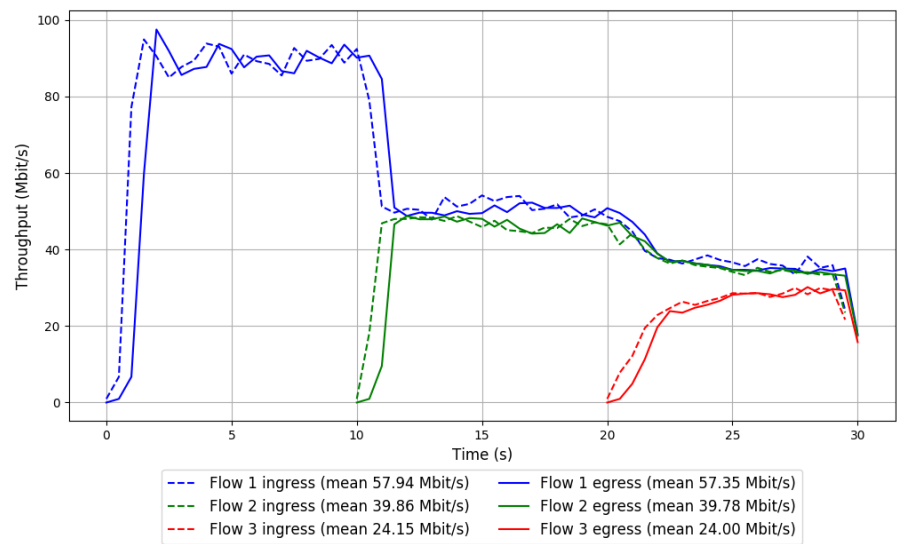


Run 1: Statistics of Indigo

Start at: 2018-08-02 00:17:43
End at: 2018-08-02 00:18:13
Local clock offset: -5.518 ms
Remote clock offset: 20.978 ms

Below is generated by plot.py at 2018-08-02 03:55:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 108.283 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 109.907 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 99.037 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 88.398 ms
Loss rate: 2.28%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-02 00:39:01

End at: 2018-08-02 00:39:31

Local clock offset: -6.5 ms

Remote clock offset: 5.784 ms

Below is generated by plot.py at 2018-08-02 03:55:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.48 Mbit/s

95th percentile per-packet one-way delay: 116.247 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 116.895 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 116.036 ms

Loss rate: 1.23%

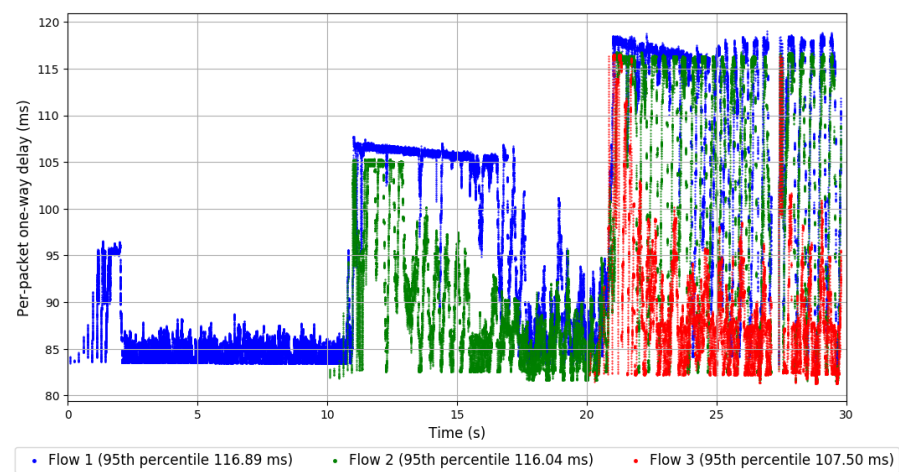
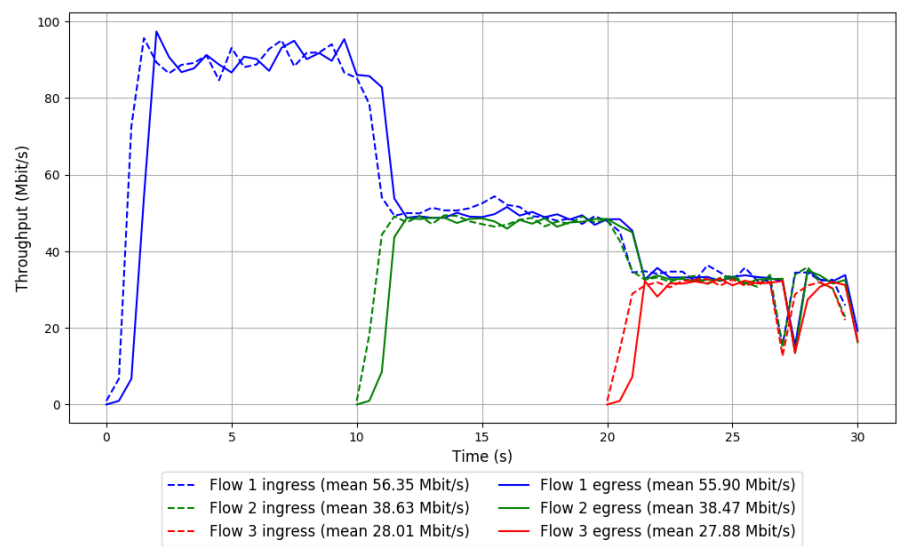
-- Flow 3:

Average throughput: 27.88 Mbit/s

95th percentile per-packet one-way delay: 107.500 ms

Loss rate: 2.15%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-02 01:00:05

End at: 2018-08-02 01:00:35

Local clock offset: -6.161 ms

Remote clock offset: 1.494 ms

Below is generated by plot.py at 2018-08-02 03:55:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 107.251 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 60.63 Mbit/s

95th percentile per-packet one-way delay: 109.836 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 95.479 ms

Loss rate: 0.90%

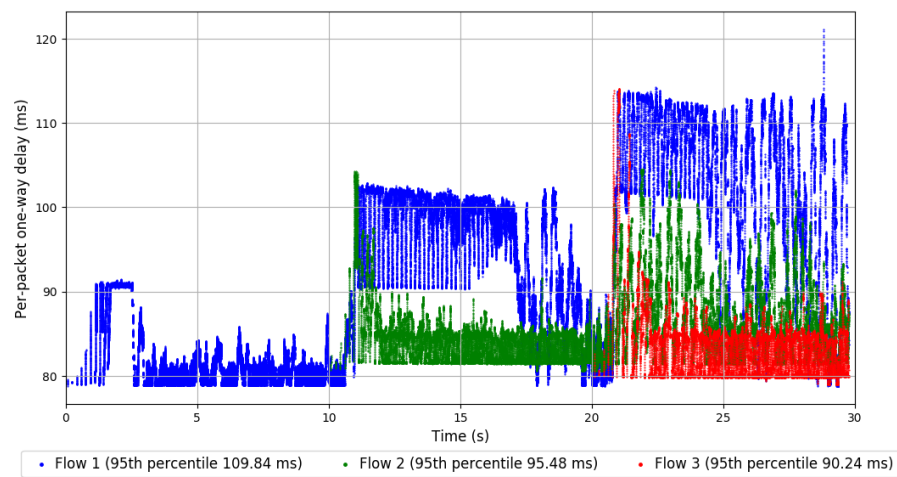
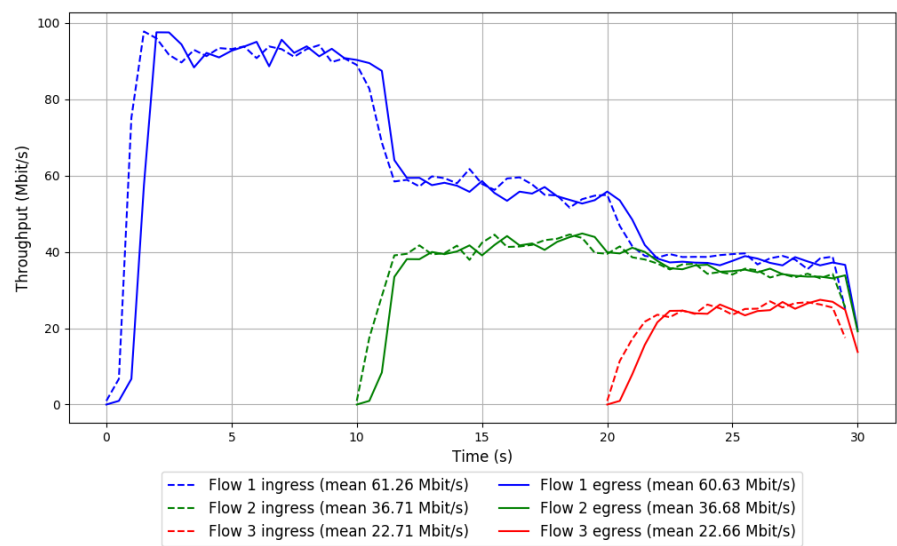
-- Flow 3:

Average throughput: 22.66 Mbit/s

95th percentile per-packet one-way delay: 90.236 ms

Loss rate: 1.83%

Run 3: Report of Indigo — Data Link

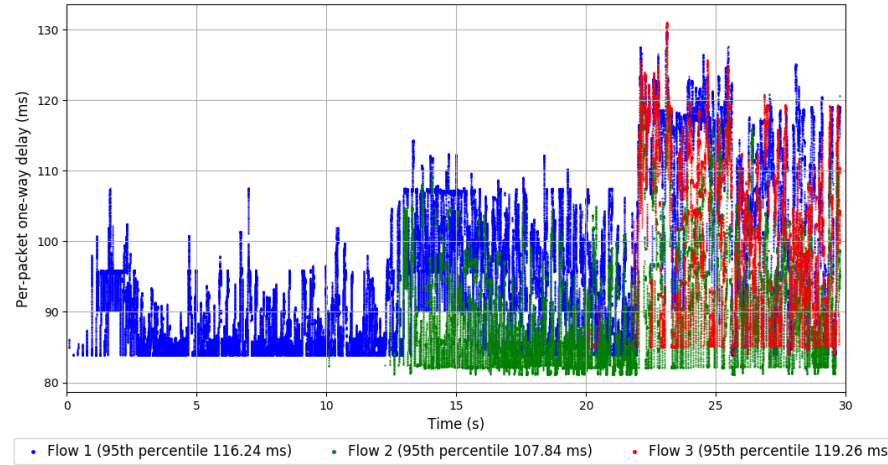
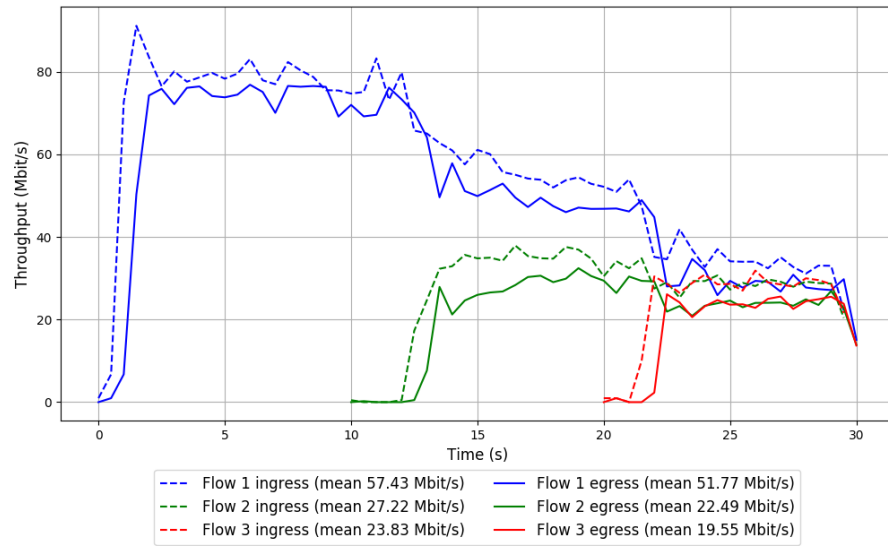


Run 4: Statistics of Indigo

Start at: 2018-08-02 01:21:19
End at: 2018-08-02 01:21:49
Local clock offset: -5.758 ms
Remote clock offset: 9.596 ms

```
# Below is generated by plot.py at 2018-08-02 03:55:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 116.211 ms
Loss rate: 12.88%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 116.242 ms
Loss rate: 10.36%
-- Flow 2:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 107.843 ms
Loss rate: 18.07%
-- Flow 3:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 119.258 ms
Loss rate: 19.37%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-02 01:42:22

End at: 2018-08-02 01:42:52

Local clock offset: -6.614 ms

Remote clock offset: 6.311 ms

Below is generated by plot.py at 2018-08-02 03:56:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.54 Mbit/s

95th percentile per-packet one-way delay: 114.168 ms

Loss rate: 18.24%

-- Flow 1:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 114.608 ms

Loss rate: 16.36%

-- Flow 2:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 104.443 ms

Loss rate: 27.11%

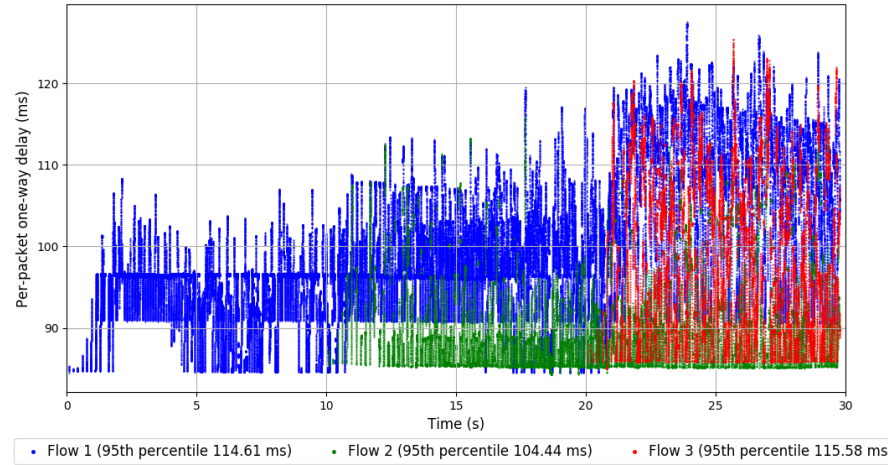
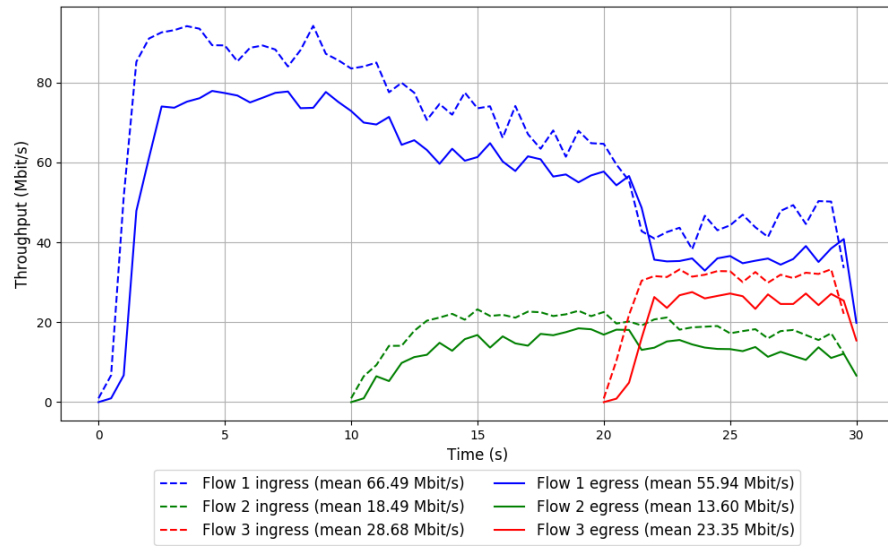
-- Flow 3:

Average throughput: 23.35 Mbit/s

95th percentile per-packet one-way delay: 115.578 ms

Loss rate: 19.98%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-02 02:03:19

End at: 2018-08-02 02:03:49

Local clock offset: -6.266 ms

Remote clock offset: 8.064 ms

Below is generated by plot.py at 2018-08-02 03:56:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.33 Mbit/s

95th percentile per-packet one-way delay: 109.734 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 55.35 Mbit/s

95th percentile per-packet one-way delay: 110.441 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 37.59 Mbit/s

95th percentile per-packet one-way delay: 109.967 ms

Loss rate: 1.01%

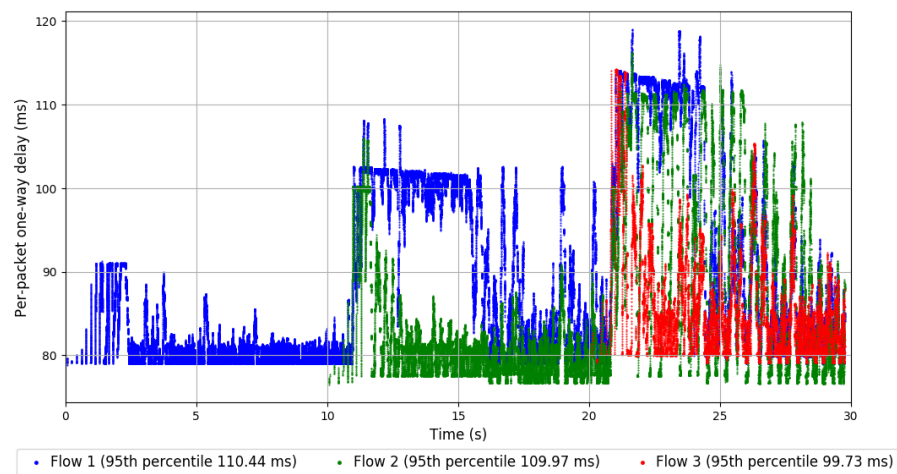
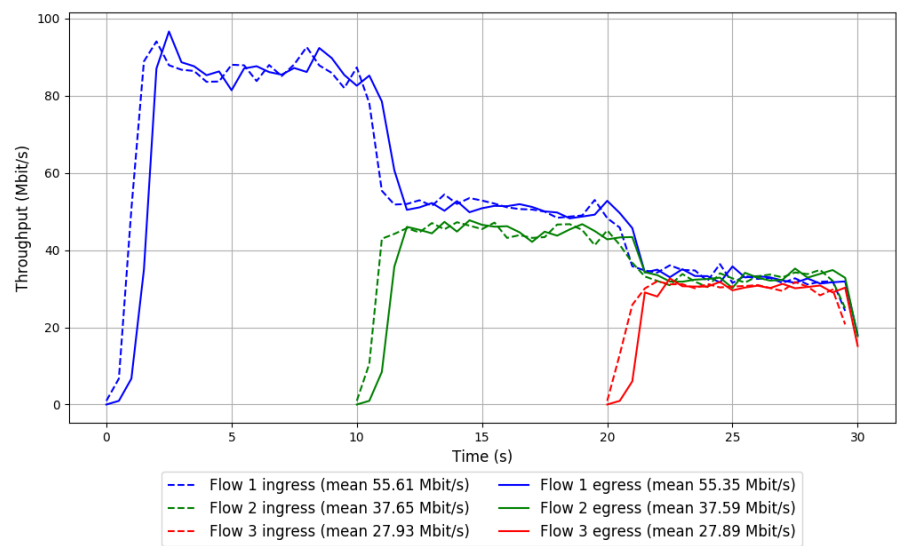
-- Flow 3:

Average throughput: 27.89 Mbit/s

95th percentile per-packet one-way delay: 99.734 ms

Loss rate: 1.92%

Run 6: Report of Indigo — Data Link

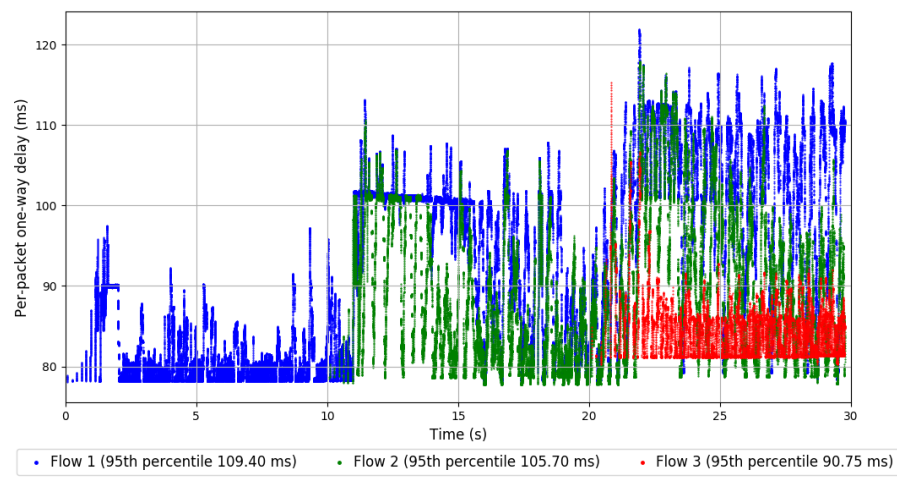
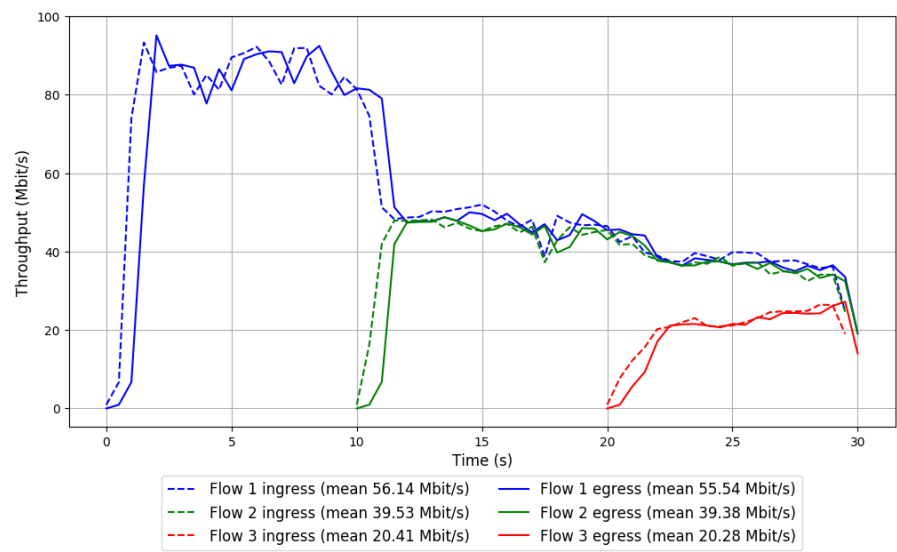


Run 7: Statistics of Indigo

Start at: 2018-08-02 02:24:25
End at: 2018-08-02 02:24:55
Local clock offset: -6.154 ms
Remote clock offset: 14.987 ms

Below is generated by plot.py at 2018-08-02 03:56:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 108.318 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 109.397 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 105.704 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 90.747 ms
Loss rate: 2.32%

Run 7: Report of Indigo — Data Link

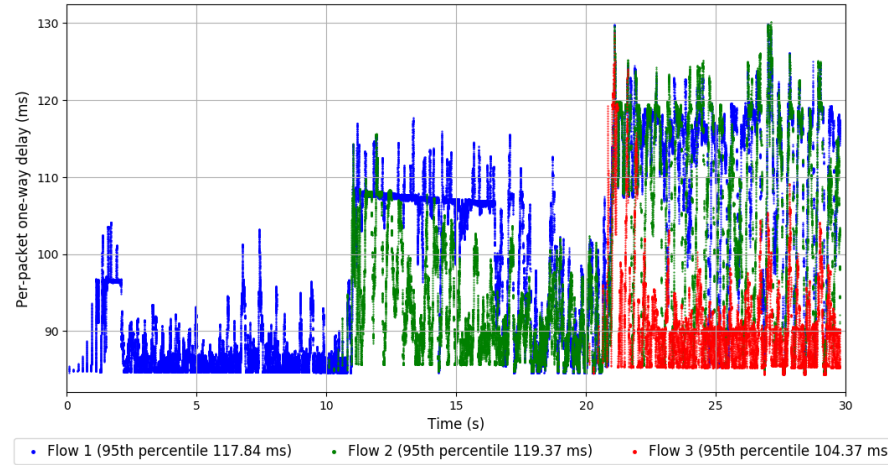
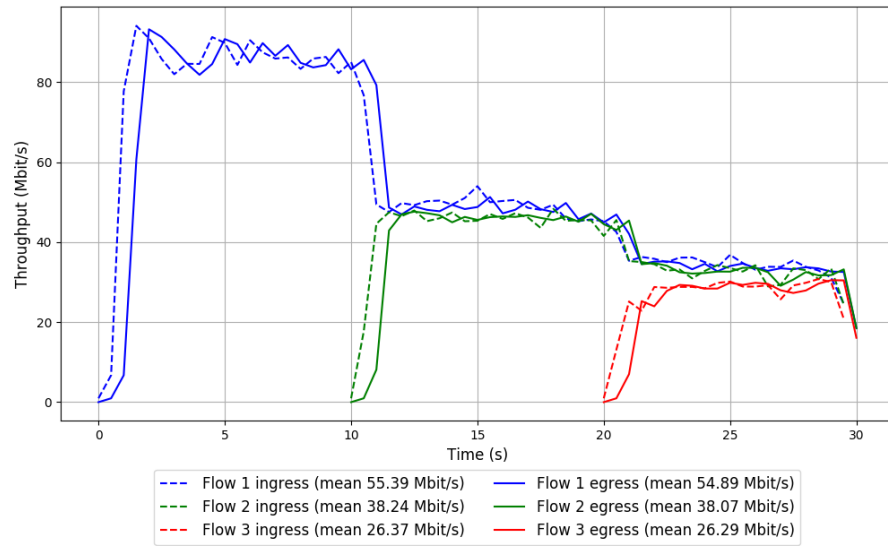


Run 8: Statistics of Indigo

Start at: 2018-08-02 02:45:32
End at: 2018-08-02 02:46:02
Local clock offset: -6.751 ms
Remote clock offset: 12.757 ms

Below is generated by plot.py at 2018-08-02 03:56:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 118.420 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 117.838 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 119.367 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 104.374 ms
Loss rate: 1.98%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-02 03:06:35

End at: 2018-08-02 03:07:05

Local clock offset: -7.213 ms

Remote clock offset: 8.701 ms

Below is generated by plot.py at 2018-08-02 03:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 119.962 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 52.13 Mbit/s

95th percentile per-packet one-way delay: 118.009 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 34.75 Mbit/s

95th percentile per-packet one-way delay: 123.230 ms

Loss rate: 1.35%

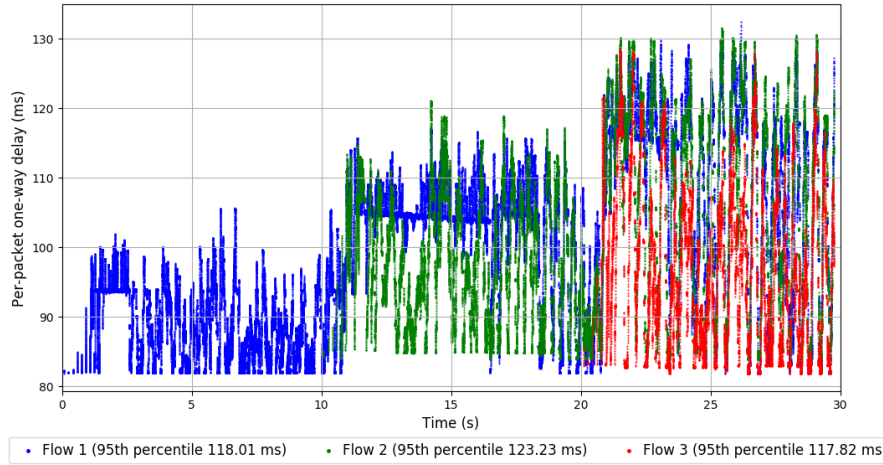
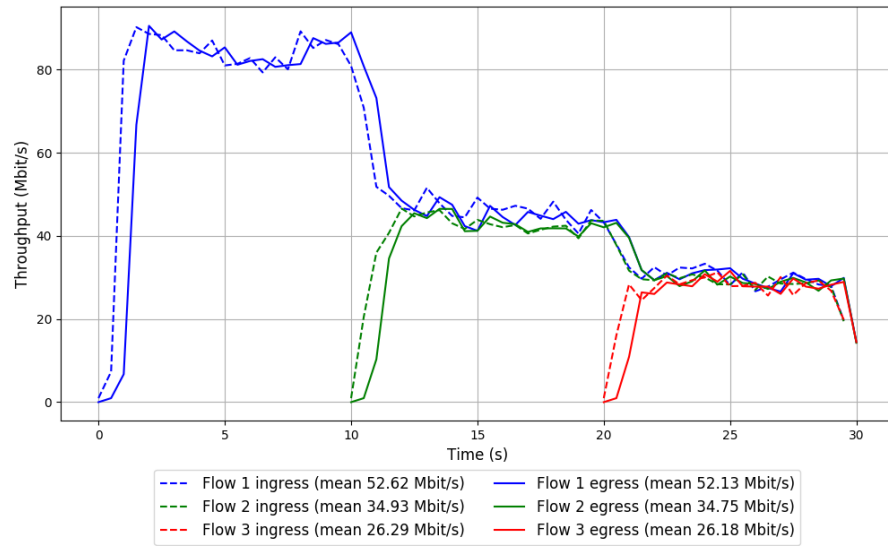
-- Flow 3:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 117.820 ms

Loss rate: 2.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-02 03:27:42

End at: 2018-08-02 03:28:12

Local clock offset: -7.303 ms

Remote clock offset: 1.885 ms

Below is generated by plot.py at 2018-08-02 03:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 120.038 ms

Loss rate: 15.37%

-- Flow 1:

Average throughput: 43.95 Mbit/s

95th percentile per-packet one-way delay: 118.710 ms

Loss rate: 13.43%

-- Flow 2:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 119.359 ms

Loss rate: 18.47%

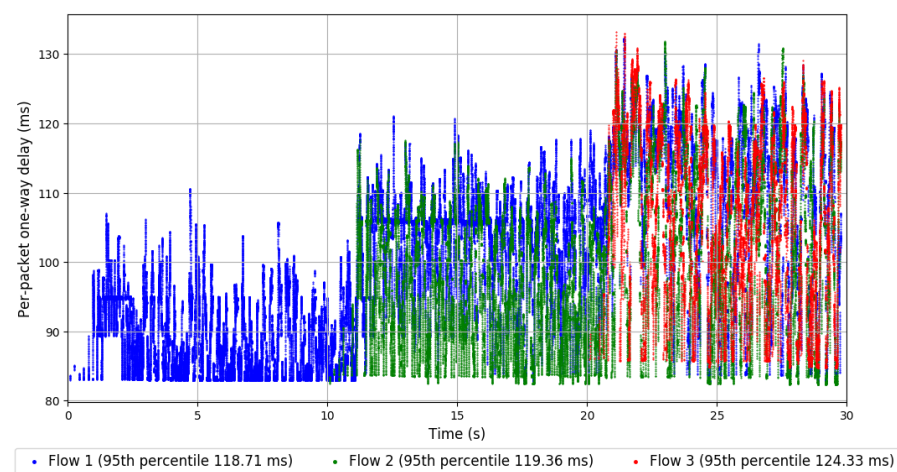
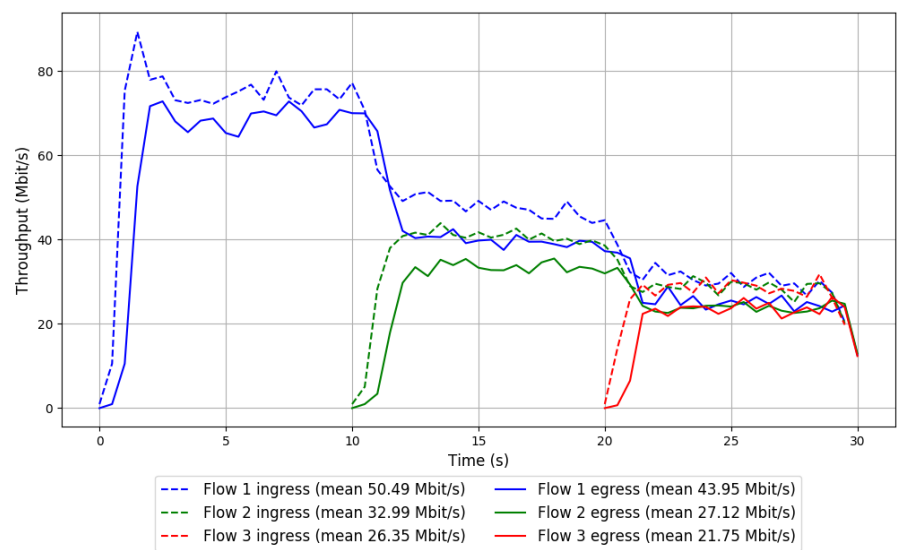
-- Flow 3:

Average throughput: 21.75 Mbit/s

95th percentile per-packet one-way delay: 124.331 ms

Loss rate: 18.80%

Run 10: Report of Indigo — Data Link

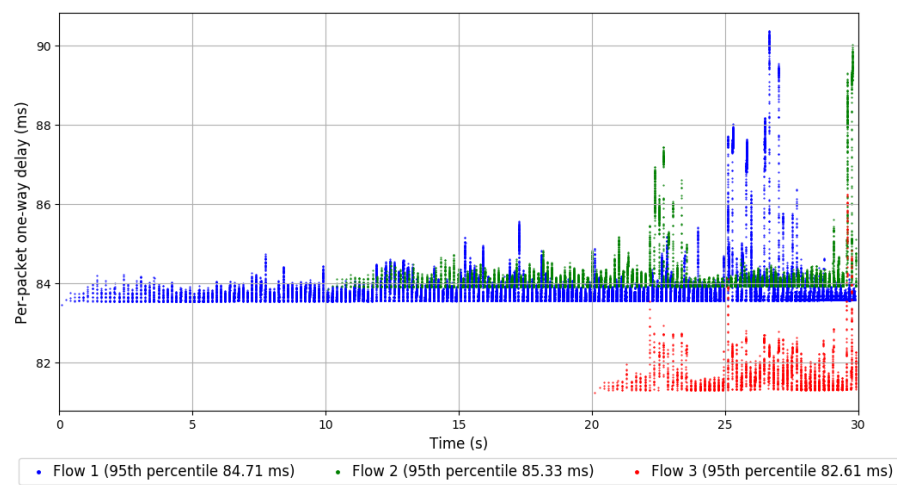
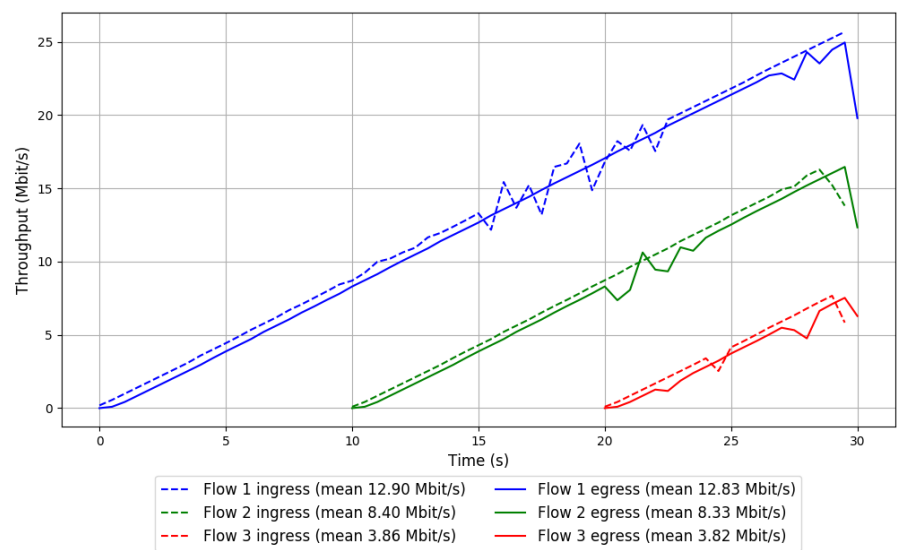


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-02 00:21:26
End at: 2018-08-02 00:21:56
Local clock offset: -5.53 ms
Remote clock offset: 17.438 ms

# Below is generated by plot.py at 2018-08-02 03:56:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 84.807 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 84.710 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 85.333 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 82.611 ms
Loss rate: 2.81%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-02 00:42:45

End at: 2018-08-02 00:43:15

Local clock offset: -6.543 ms

Remote clock offset: 7.637 ms

Below is generated by plot.py at 2018-08-02 03:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 80.841 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 79.759 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 8.32 Mbit/s

95th percentile per-packet one-way delay: 81.329 ms

Loss rate: 1.70%

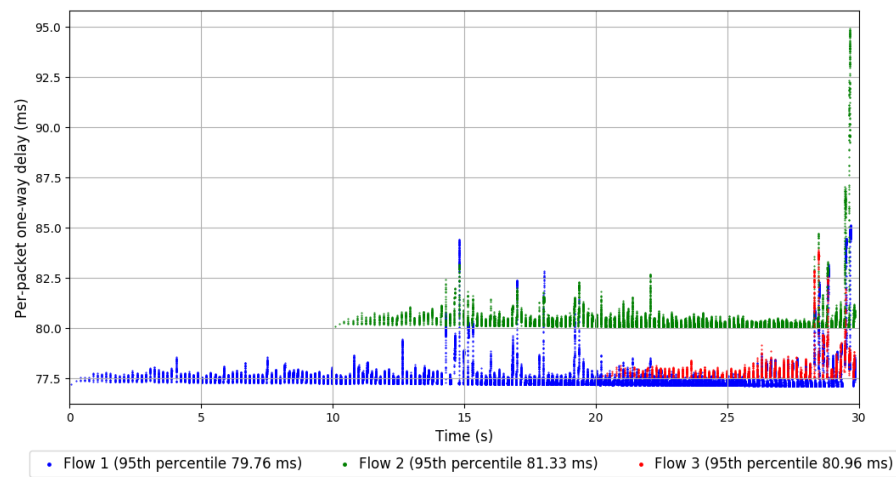
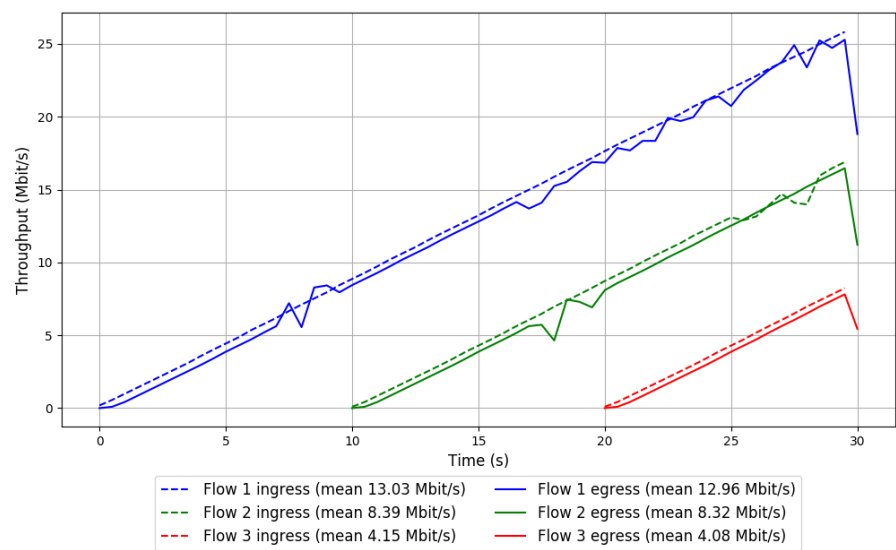
-- Flow 3:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 80.961 ms

Loss rate: 3.41%

Run 2: Report of LEDBAT — Data Link

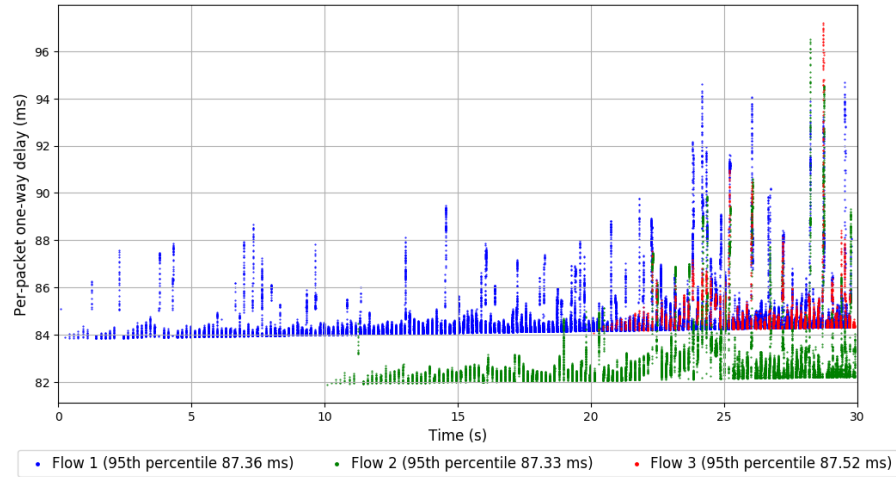
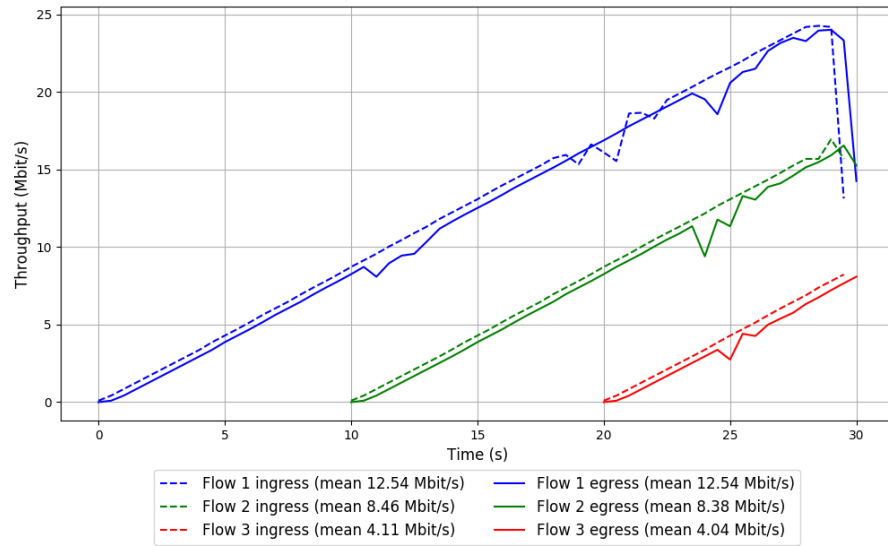


Run 3: Statistics of LEDBAT

Start at: 2018-08-02 01:03:49
End at: 2018-08-02 01:04:19
Local clock offset: -5.978 ms
Remote clock offset: 0.804 ms

Below is generated by plot.py at 2018-08-02 03:56:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 87.364 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 87.364 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 87.334 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 87.520 ms
Loss rate: 3.41%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-02 01:25:02

End at: 2018-08-02 01:25:32

Local clock offset: -6.005 ms

Remote clock offset: 9.245 ms

Below is generated by plot.py at 2018-08-02 03:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.26 Mbit/s

95th percentile per-packet one-way delay: 88.672 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 88.667 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 88.566 ms

Loss rate: 1.72%

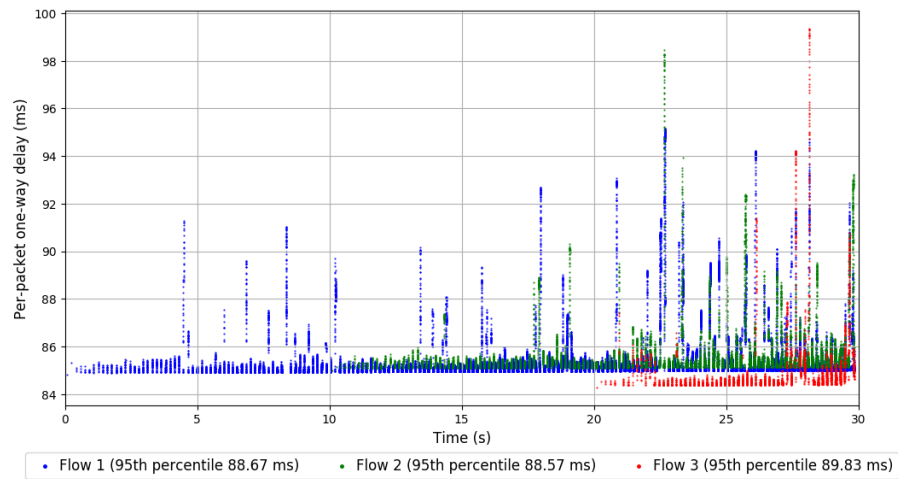
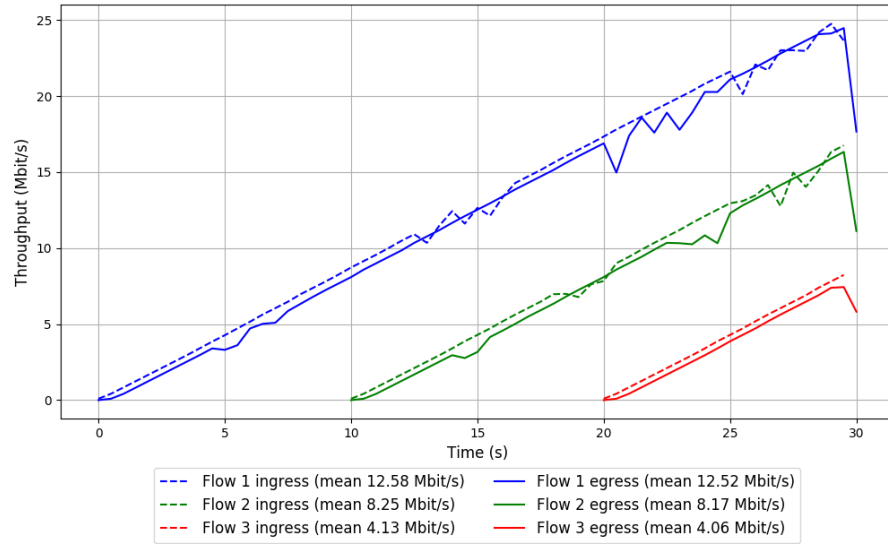
-- Flow 3:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 89.827 ms

Loss rate: 3.41%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-02 01:46:05

End at: 2018-08-02 01:46:35

Local clock offset: -6.678 ms

Remote clock offset: 6.087 ms

Below is generated by plot.py at 2018-08-02 03:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.39 Mbit/s

95th percentile per-packet one-way delay: 86.059 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 12.66 Mbit/s

95th percentile per-packet one-way delay: 86.238 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 8.18 Mbit/s

95th percentile per-packet one-way delay: 86.259 ms

Loss rate: 1.72%

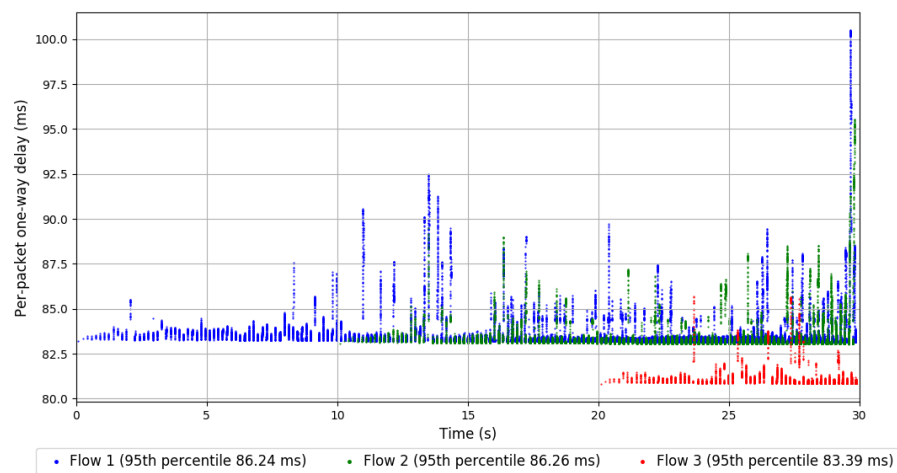
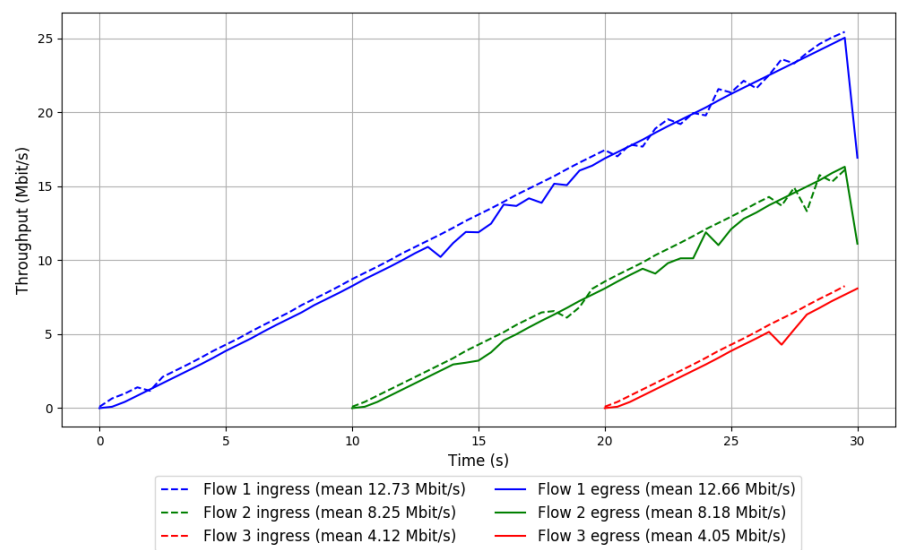
-- Flow 3:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 83.391 ms

Loss rate: 3.44%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-02 02:07:02

End at: 2018-08-02 02:07:32

Local clock offset: -6.125 ms

Remote clock offset: 6.673 ms

Below is generated by plot.py at 2018-08-02 03:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.17 Mbit/s

95th percentile per-packet one-way delay: 82.058 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 12.34 Mbit/s

95th percentile per-packet one-way delay: 82.284 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 81.529 ms

Loss rate: 1.69%

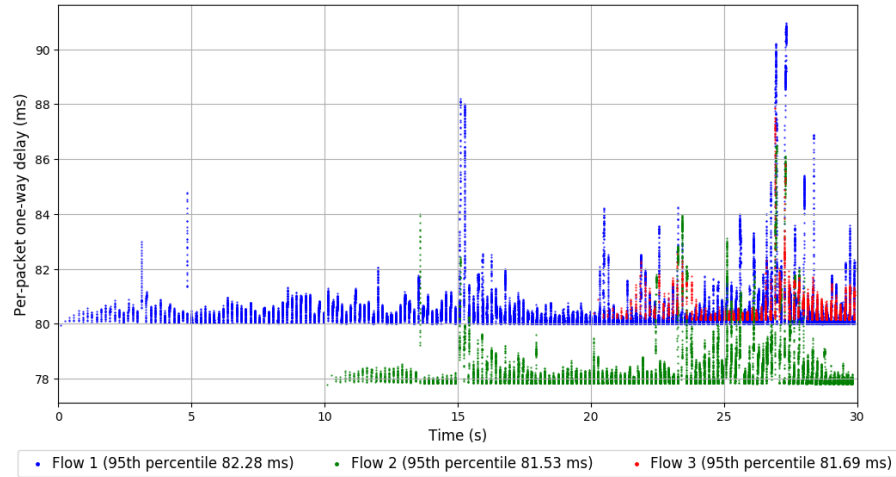
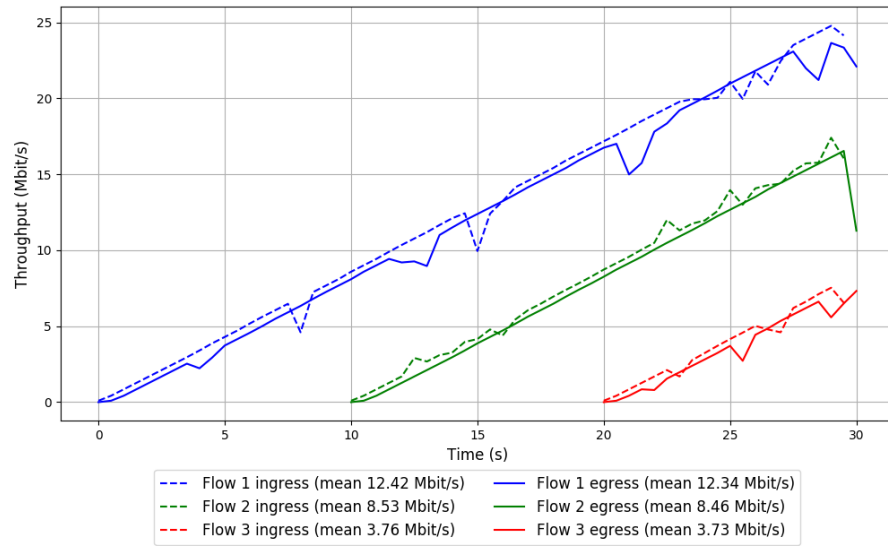
-- Flow 3:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 81.688 ms

Loss rate: 2.38%

Run 6: Report of LEDBAT — Data Link

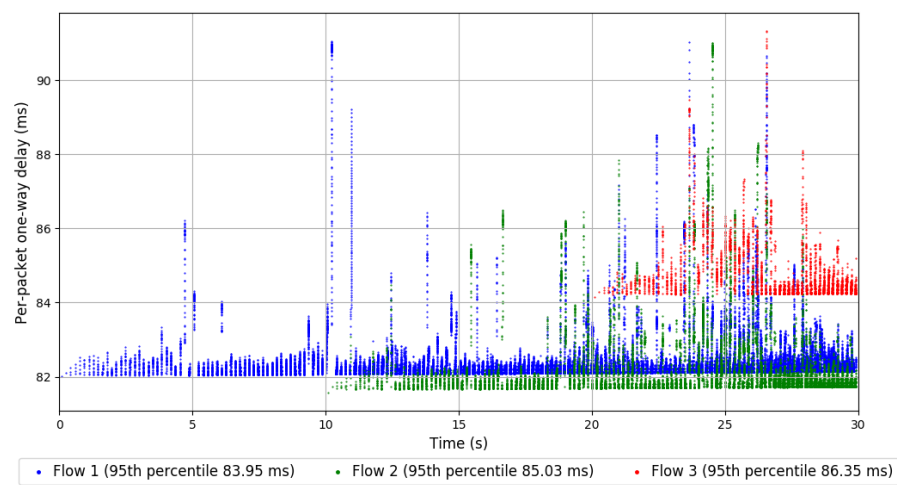
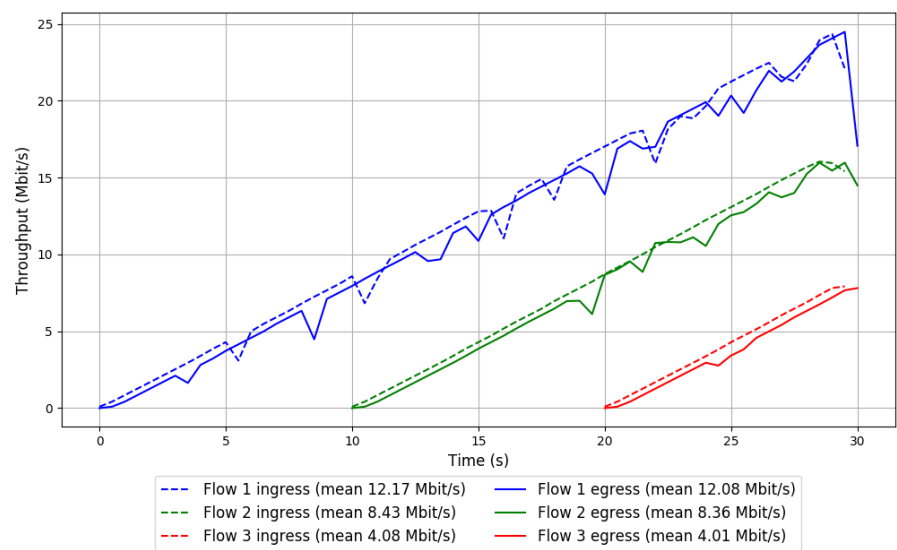


Run 7: Statistics of LEDBAT

Start at: 2018-08-02 02:28:08
End at: 2018-08-02 02:28:38
Local clock offset: -6.347 ms
Remote clock offset: 12.136 ms

Below is generated by plot.py at 2018-08-02 03:56:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 84.999 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 83.952 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 85.027 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 86.353 ms
Loss rate: 3.40%

Run 7: Report of LEDBAT — Data Link

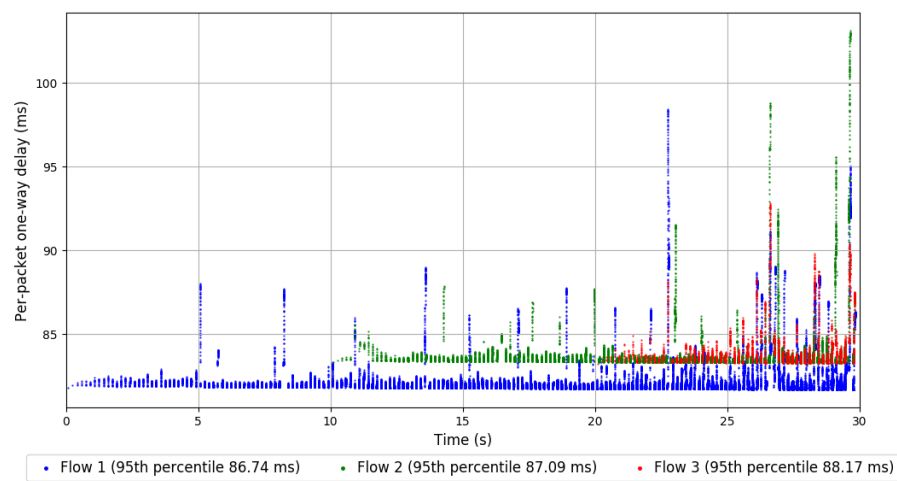
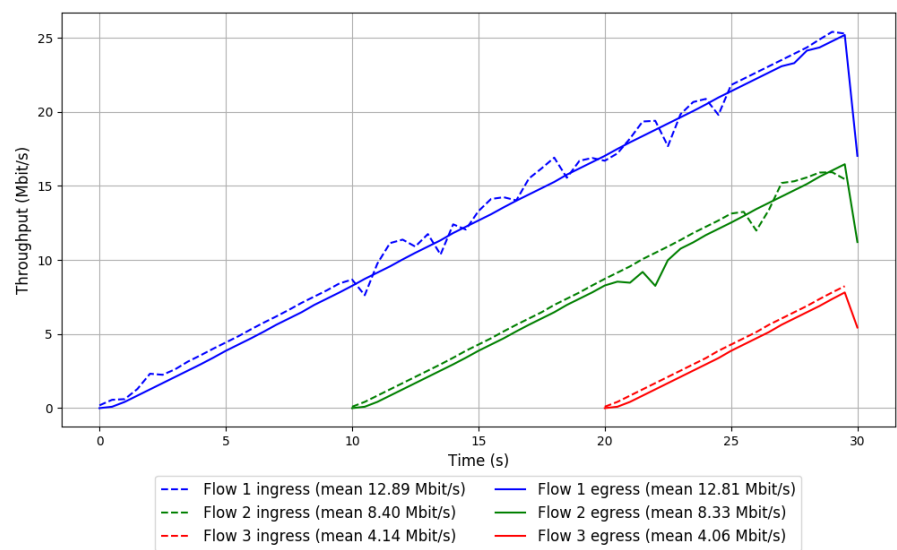


Run 8: Statistics of LEDBAT

Start at: 2018-08-02 02:49:15
End at: 2018-08-02 02:49:45
Local clock offset: -6.741 ms
Remote clock offset: 11.799 ms

Below is generated by plot.py at 2018-08-02 03:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 86.978 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 86.740 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 87.087 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 88.168 ms
Loss rate: 3.41%

Run 8: Report of LEDBAT — Data Link

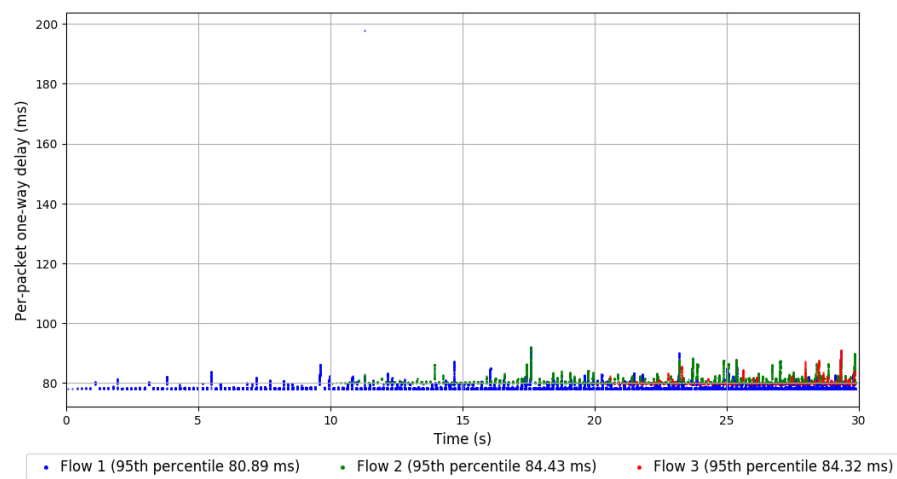
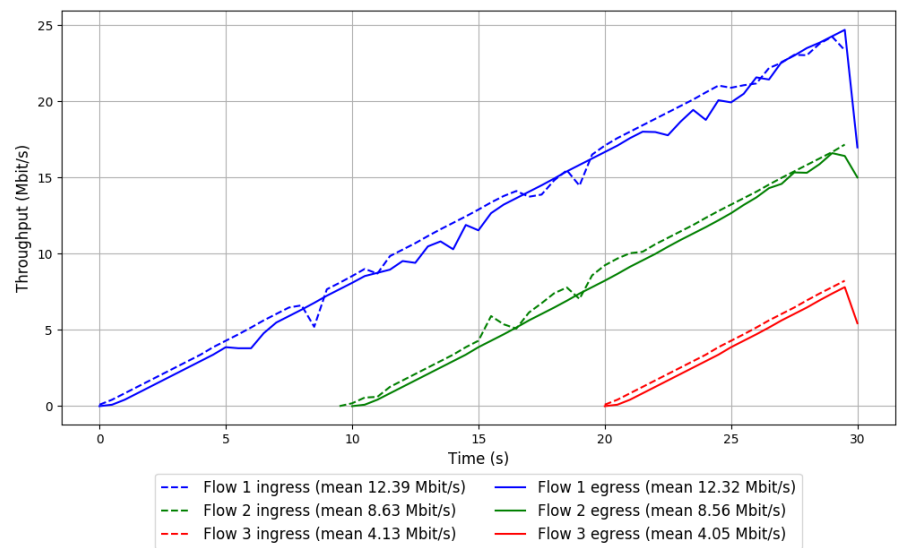


Run 9: Statistics of LEDBAT

Start at: 2018-08-02 03:10:17
End at: 2018-08-02 03:10:47
Local clock offset: -7.261 ms
Remote clock offset: 12.487 ms

Below is generated by plot.py at 2018-08-02 03:56:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 82.384 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 80.895 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 84.430 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 84.321 ms
Loss rate: 3.41%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-02 03:31:33

End at: 2018-08-02 03:32:03

Local clock offset: -7.267 ms

Remote clock offset: 1.37 ms

Below is generated by plot.py at 2018-08-02 03:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.70 Mbit/s

95th percentile per-packet one-way delay: 85.957 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 85.026 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 8.56 Mbit/s

95th percentile per-packet one-way delay: 87.353 ms

Loss rate: 1.67%

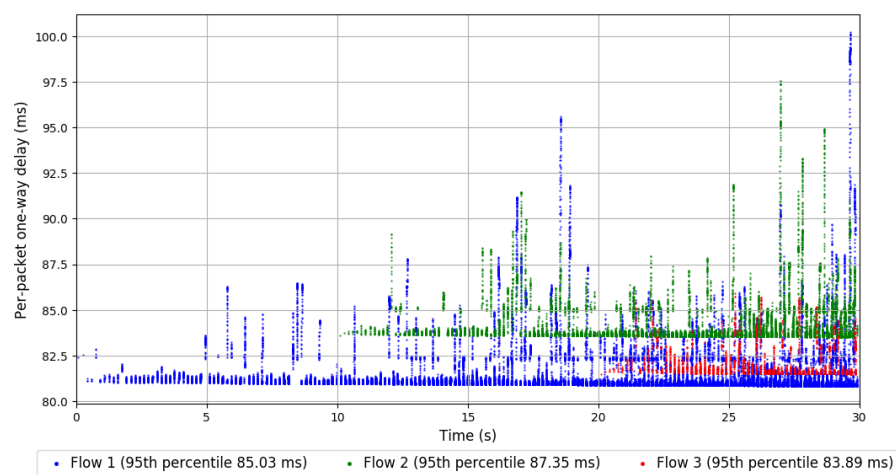
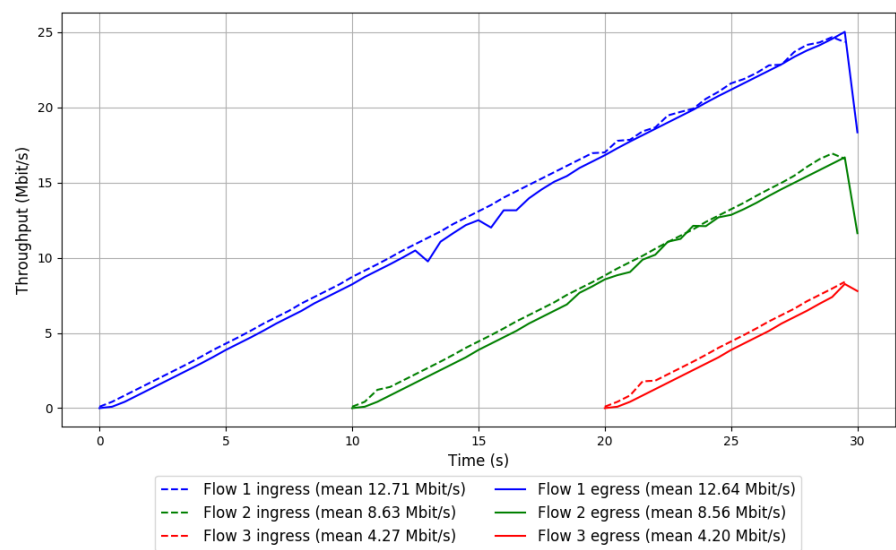
-- Flow 3:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 83.892 ms

Loss rate: 3.38%

Run 10: Report of LEDBAT — Data Link

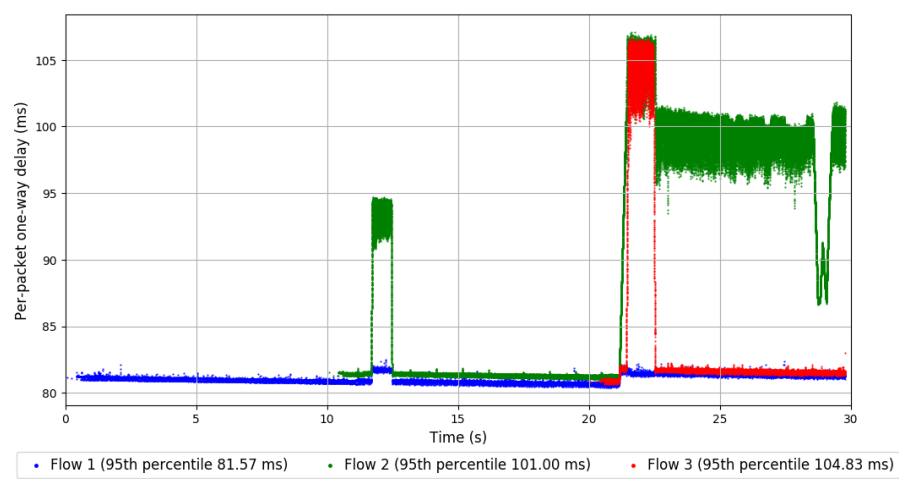
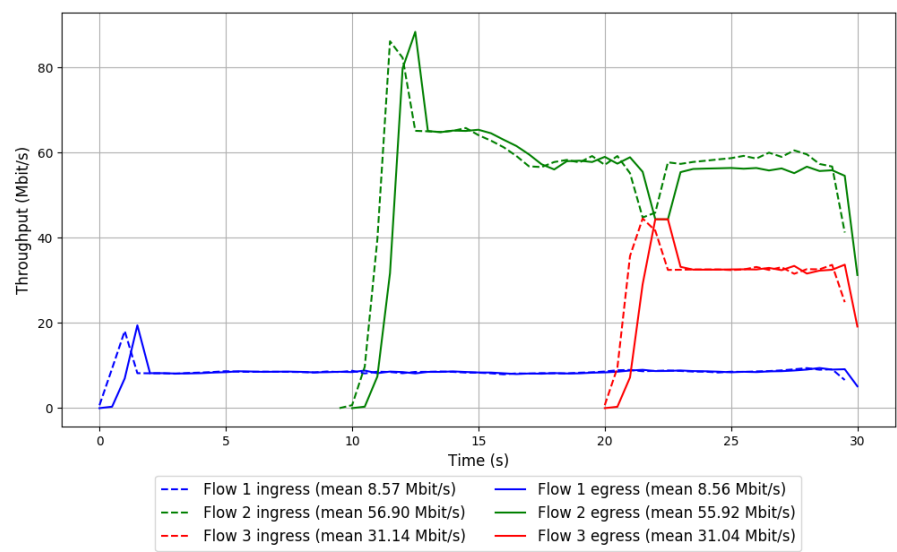


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-02 00:27:42
End at: 2018-08-02 00:28:12
Local clock offset: -5.957 ms
Remote clock offset: 18.088 ms

# Below is generated by plot.py at 2018-08-02 03:57:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 101.828 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 81.568 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 100.996 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 104.832 ms
Loss rate: 1.95%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-02 00:48:59

End at: 2018-08-02 00:49:29

Local clock offset: -6.614 ms

Remote clock offset: 6.474 ms

Below is generated by plot.py at 2018-08-02 03:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 108.060 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 106.733 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 108.485 ms

Loss rate: 1.25%

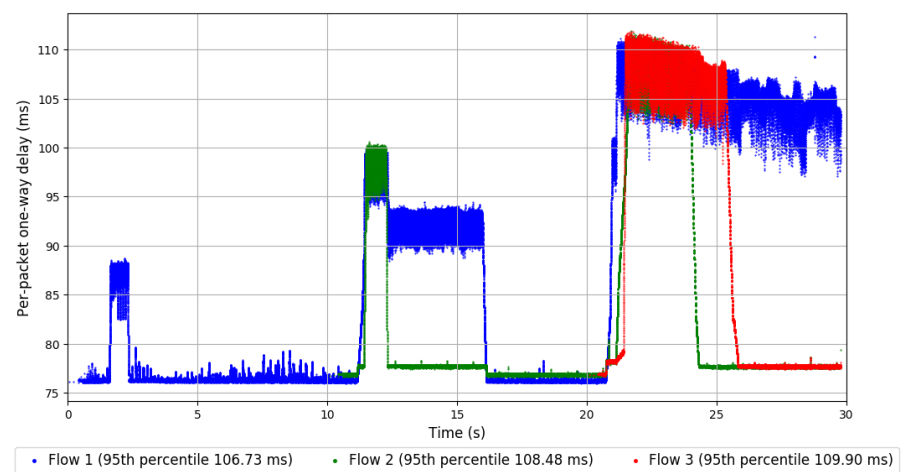
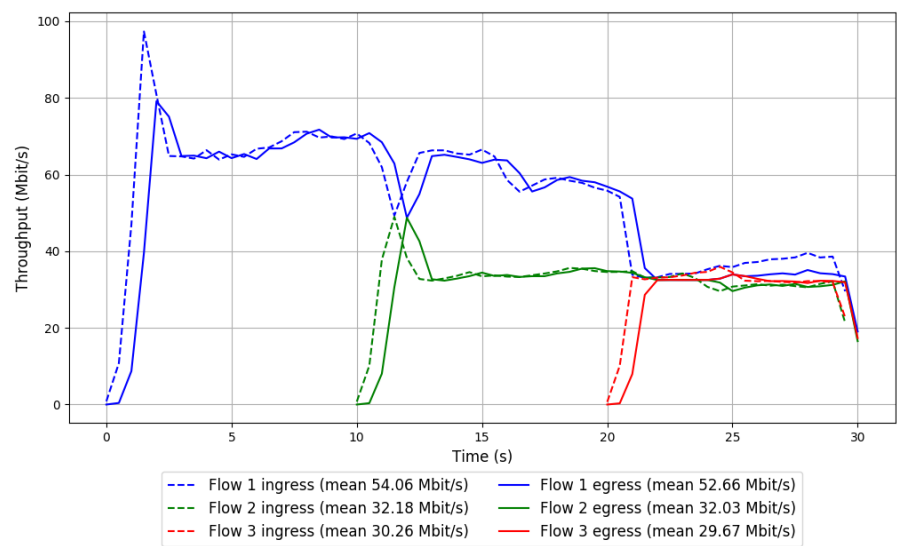
-- Flow 3:

Average throughput: 29.67 Mbit/s

95th percentile per-packet one-way delay: 109.901 ms

Loss rate: 3.58%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-02 01:10:14

End at: 2018-08-02 01:10:44

Local clock offset: -5.817 ms

Remote clock offset: 9.477 ms

Below is generated by plot.py at 2018-08-02 03:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.75 Mbit/s

95th percentile per-packet one-way delay: 90.031 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 81.798 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 62.72 Mbit/s

95th percentile per-packet one-way delay: 90.328 ms

Loss rate: 0.89%

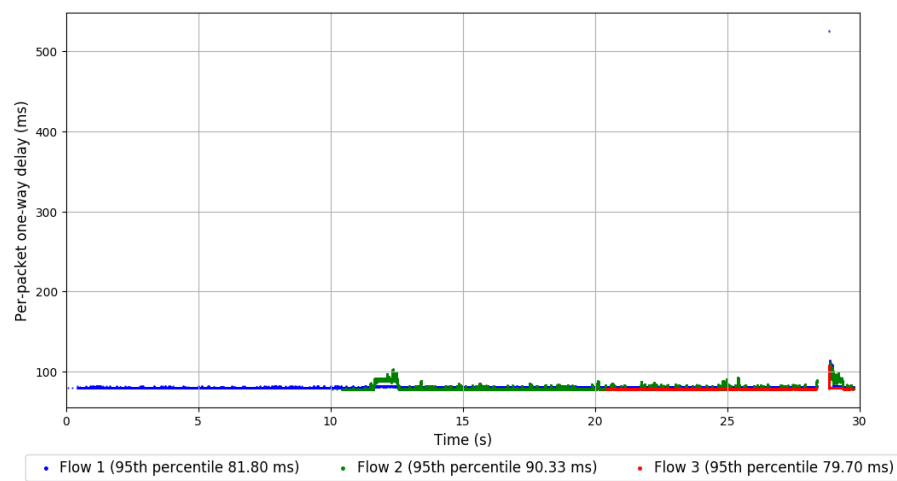
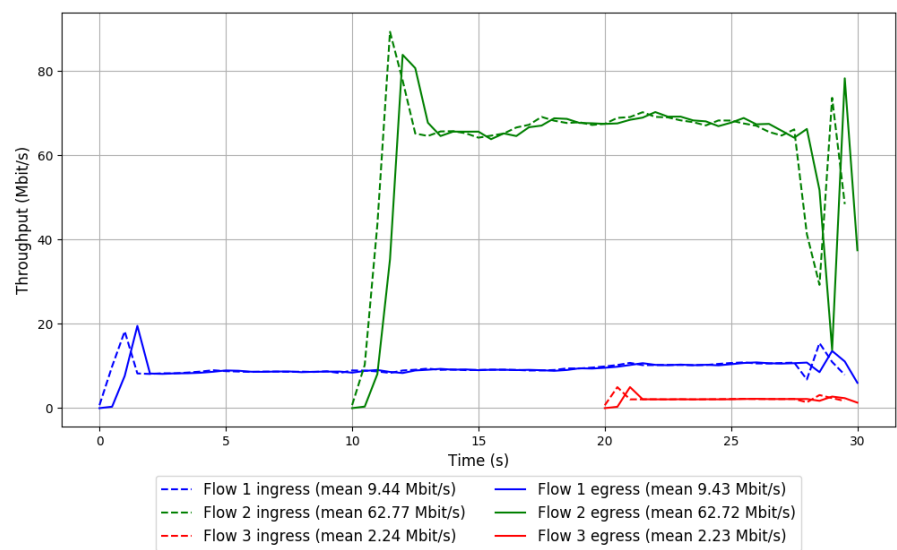
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 79.697 ms

Loss rate: 1.76%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-02 01:31:18

End at: 2018-08-02 01:31:48

Local clock offset: -6.327 ms

Remote clock offset: 9.944 ms

Below is generated by plot.py at 2018-08-02 03:57:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.89 Mbit/s

95th percentile per-packet one-way delay: 104.906 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 105.543 ms

Loss rate: 1.92%

-- Flow 2:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 103.092 ms

Loss rate: 0.84%

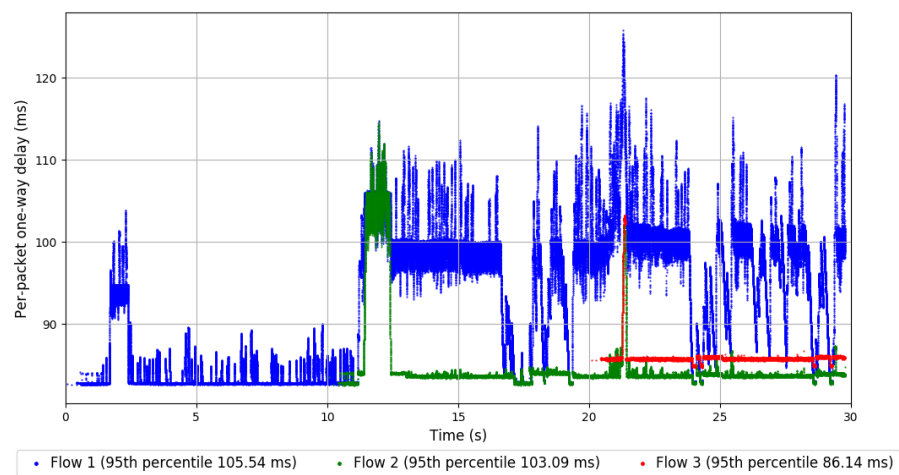
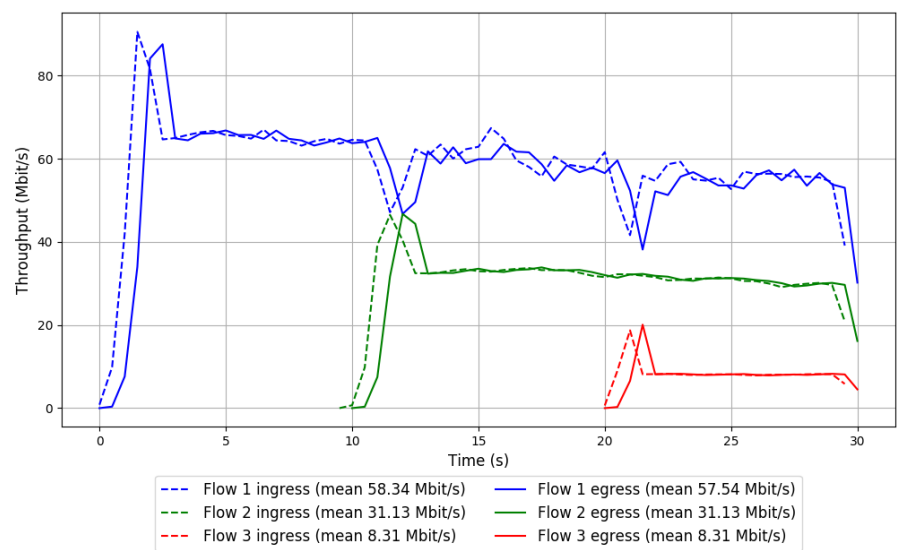
-- Flow 3:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 86.137 ms

Loss rate: 1.70%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-02 01:52:17

End at: 2018-08-02 01:52:47

Local clock offset: -6.806 ms

Remote clock offset: 9.294 ms

Below is generated by plot.py at 2018-08-02 03:57:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.52 Mbit/s

95th percentile per-packet one-way delay: 103.207 ms

Loss rate: 4.91%

-- Flow 1:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 102.884 ms

Loss rate: 6.62%

-- Flow 2:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 102.111 ms

Loss rate: 1.01%

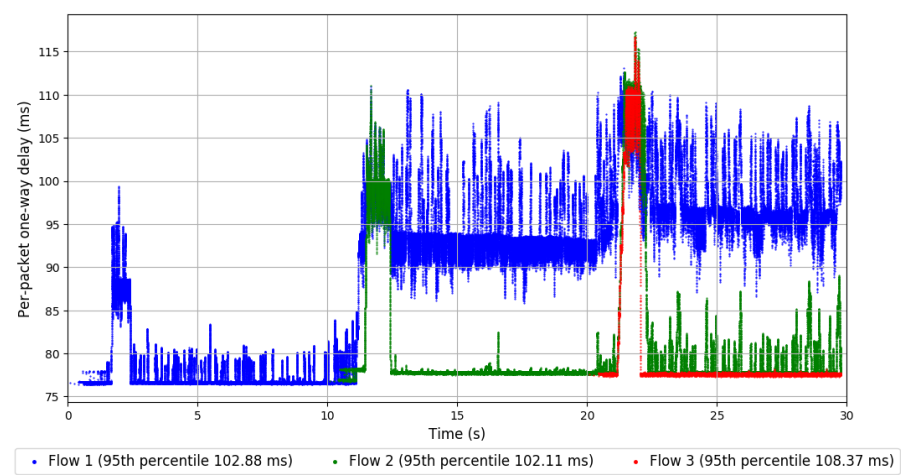
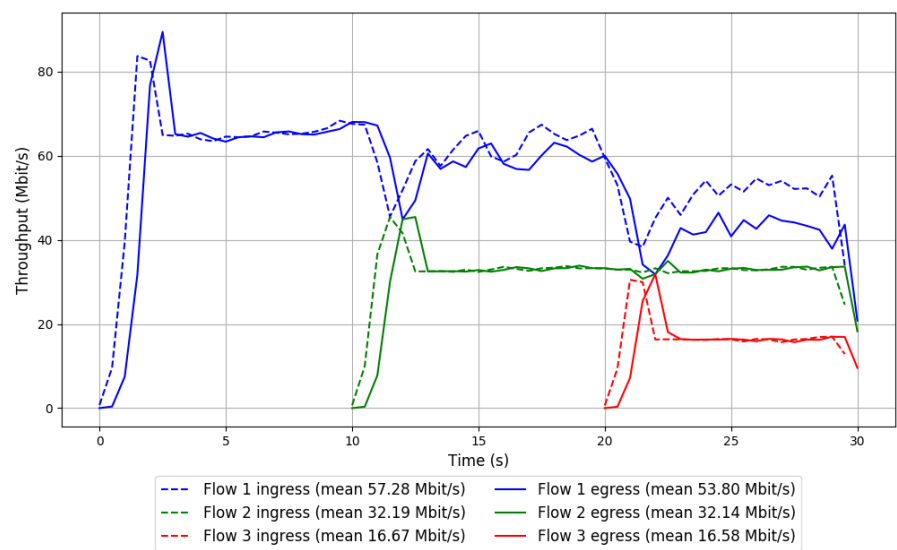
-- Flow 3:

Average throughput: 16.58 Mbit/s

95th percentile per-packet one-way delay: 108.367 ms

Loss rate: 2.24%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-02 02:13:19

End at: 2018-08-02 02:13:49

Local clock offset: -6.056 ms

Remote clock offset: 8.374 ms

Below is generated by plot.py at 2018-08-02 03:57:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 105.635 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 105.499 ms

Loss rate: 3.70%

-- Flow 2:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 104.257 ms

Loss rate: 1.03%

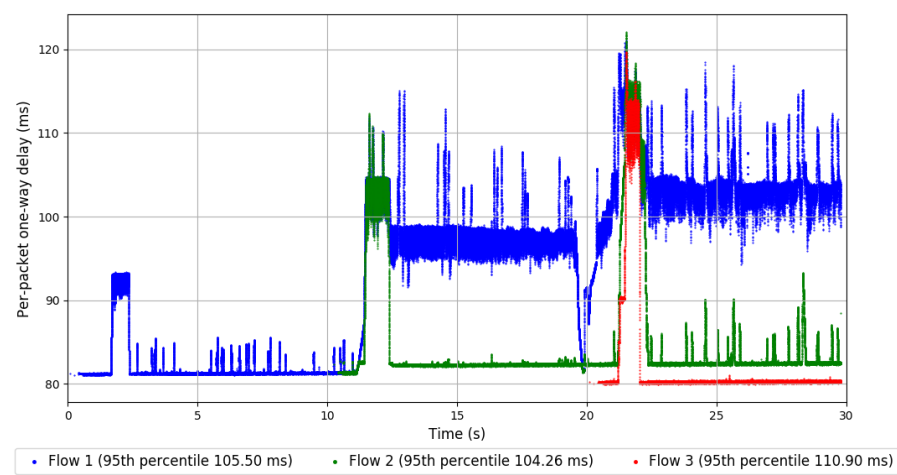
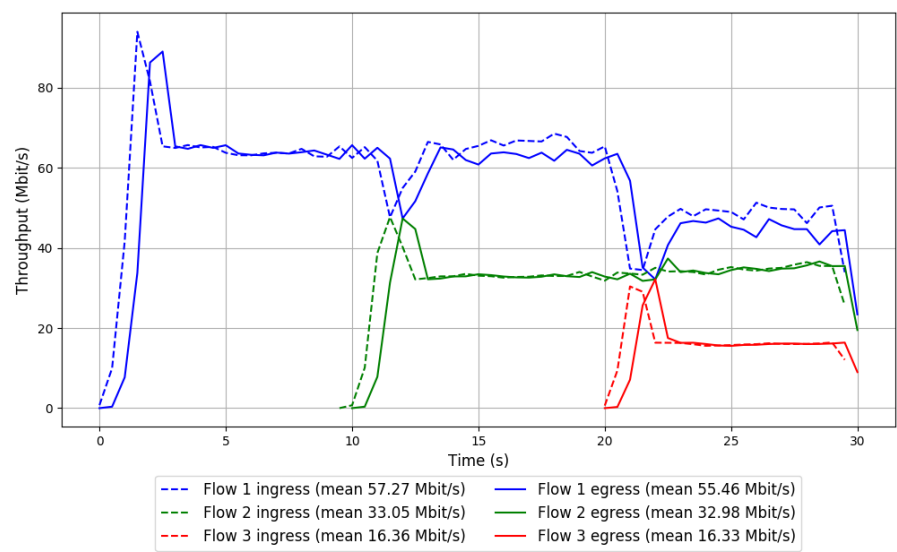
-- Flow 3:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 110.899 ms

Loss rate: 1.91%

Run 6: Report of PCC-Allegro — Data Link

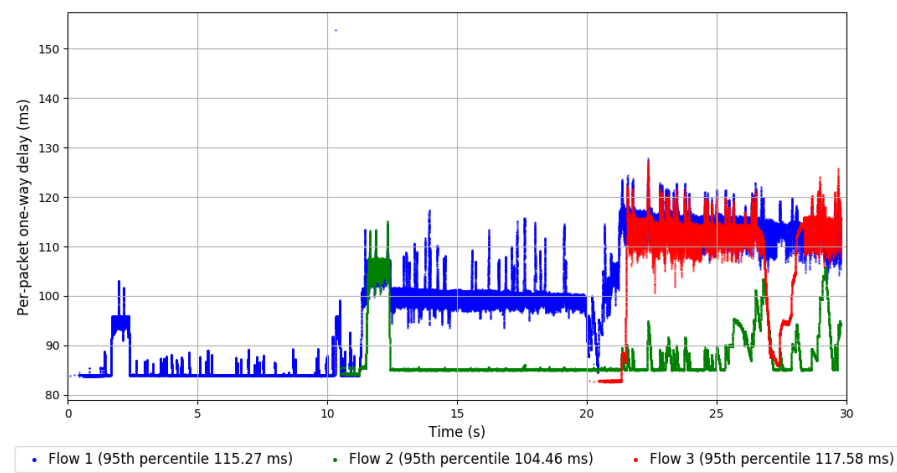
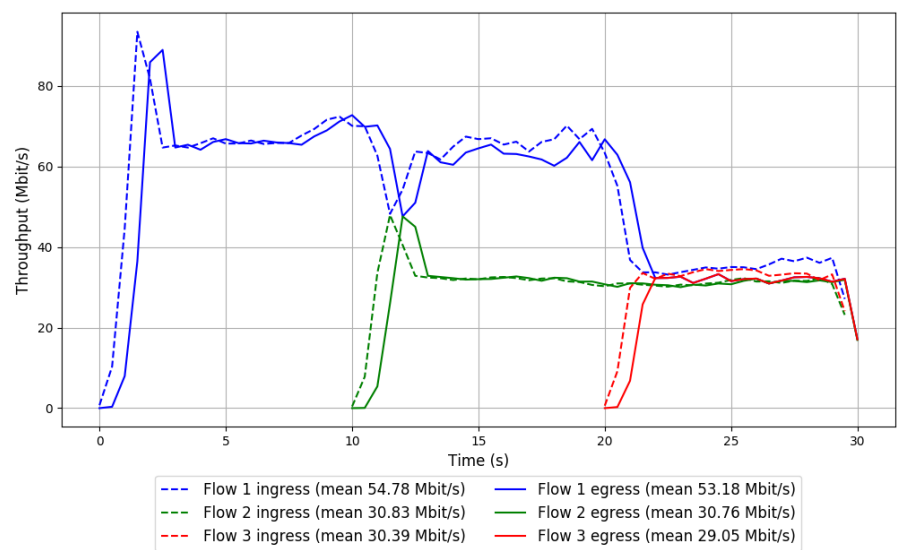


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-02 02:34:22
End at: 2018-08-02 02:34:52
Local clock offset: -6.517 ms
Remote clock offset: 13.251 ms

Below is generated by plot.py at 2018-08-02 03:57:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.05 Mbit/s
95th percentile per-packet one-way delay: 115.108 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 115.273 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 104.456 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 117.584 ms
Loss rate: 6.00%

Run 7: Report of PCC-Allegro — Data Link

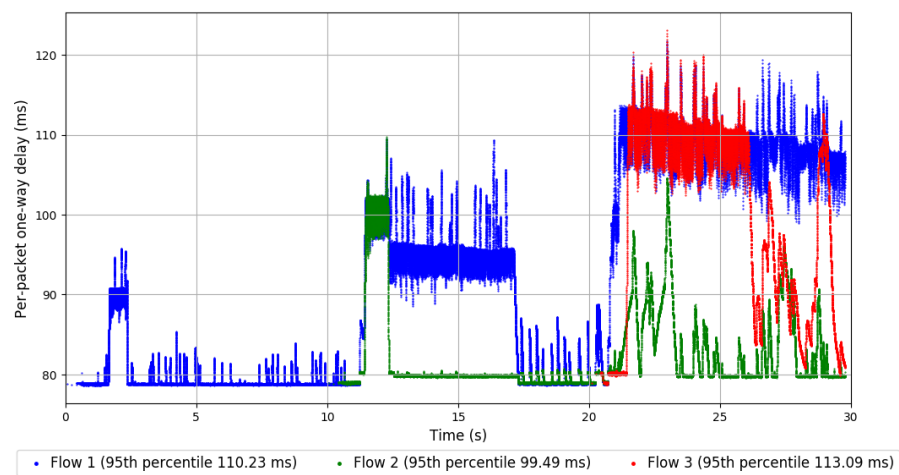
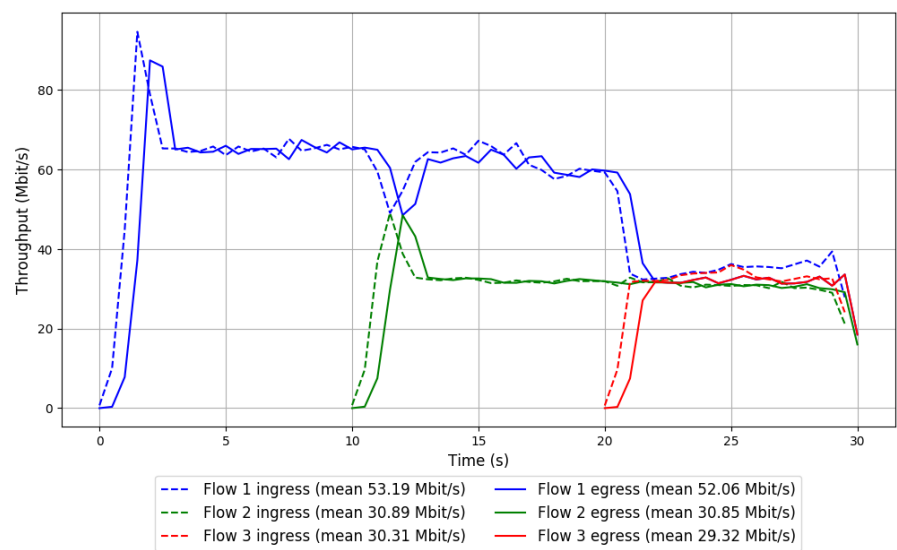


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-02 02:55:30
End at: 2018-08-02 02:56:00
Local clock offset: -6.966 ms
Remote clock offset: 12.643 ms

Below is generated by plot.py at 2018-08-02 03:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.08 Mbit/s
95th percentile per-packet one-way delay: 110.496 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 110.229 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 99.492 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 113.090 ms
Loss rate: 4.89%

Run 8: Report of PCC-Allegro — Data Link

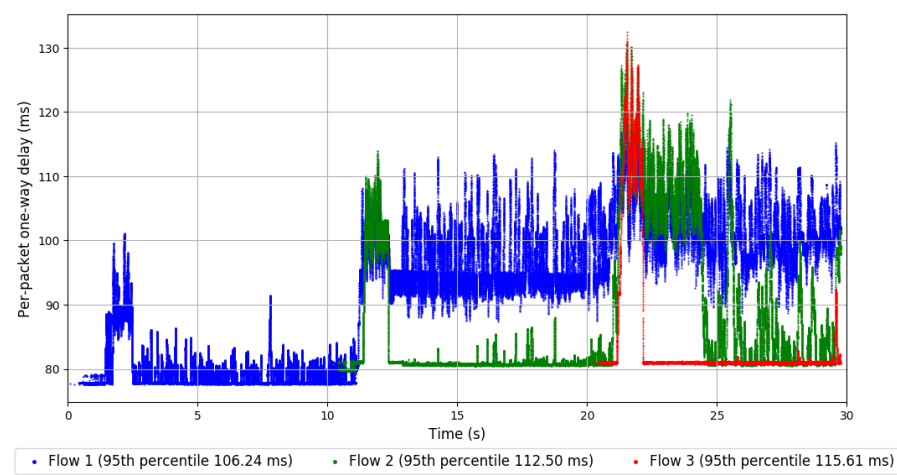
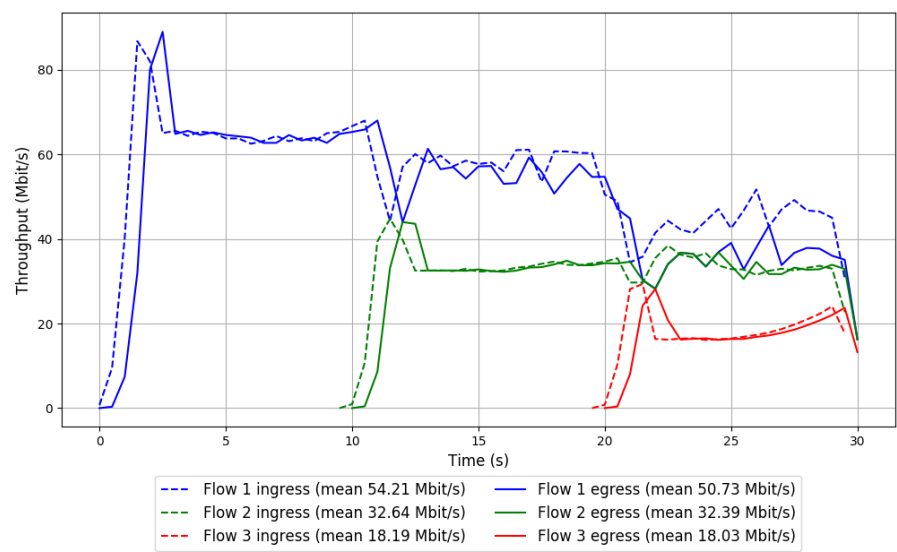


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-02 03:16:31
End at: 2018-08-02 03:17:01
Local clock offset: -7.419 ms
Remote clock offset: 12.166 ms

Below is generated by plot.py at 2018-08-02 03:58:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 108.662 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 106.241 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 115.614 ms
Loss rate: 2.58%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-02 03:37:48

End at: 2018-08-02 03:38:18

Local clock offset: -7.253 ms

Remote clock offset: 2.95 ms

Below is generated by plot.py at 2018-08-02 03:58:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 110.655 ms

Loss rate: 3.72%

-- Flow 1:

Average throughput: 50.95 Mbit/s

95th percentile per-packet one-way delay: 110.137 ms

Loss rate: 4.59%

-- Flow 2:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 112.255 ms

Loss rate: 1.40%

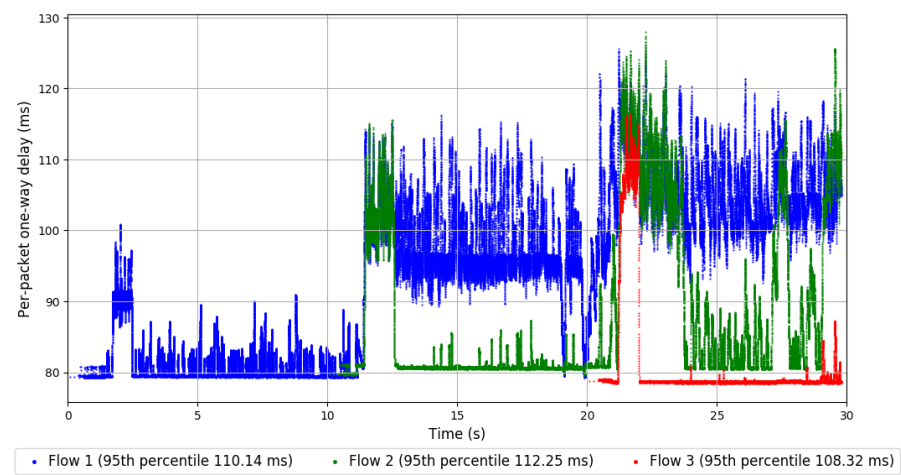
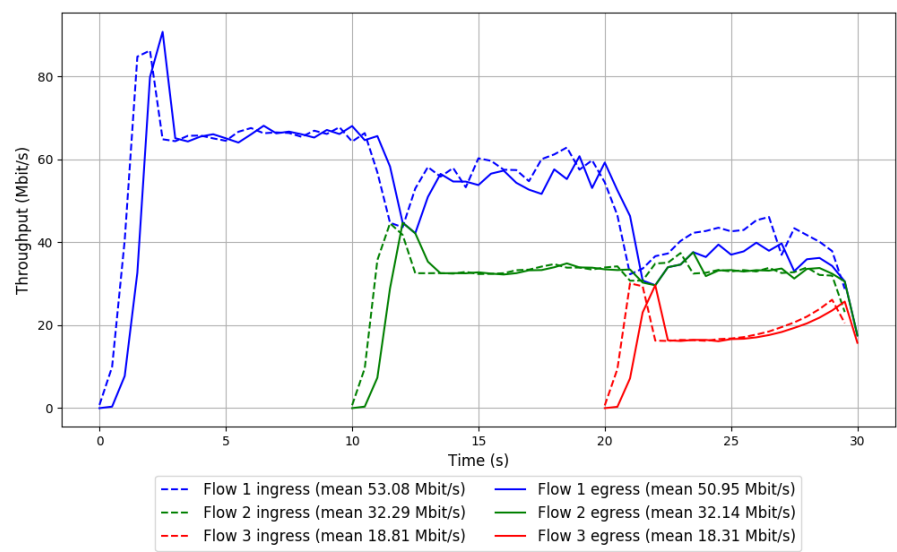
-- Flow 3:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 108.316 ms

Loss rate: 4.29%

Run 10: Report of PCC-Allegro — Data Link

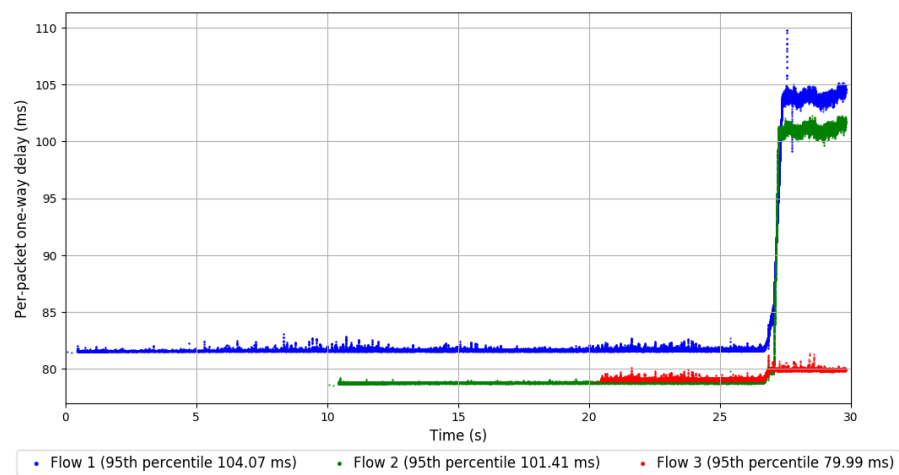
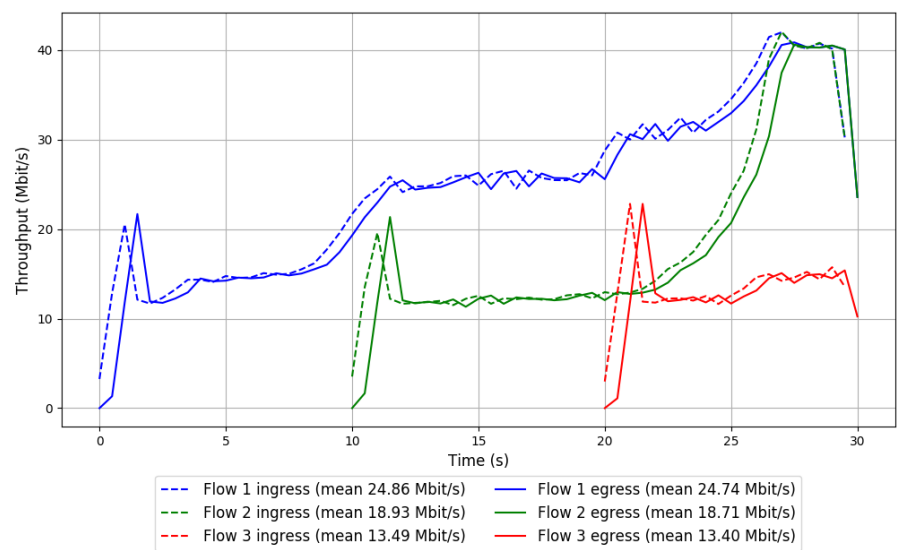


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-02 00:25:12
End at: 2018-08-02 00:25:42
Local clock offset: -5.802 ms
Remote clock offset: 20.488 ms

# Below is generated by plot.py at 2018-08-02 03:58:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 103.826 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 104.066 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 101.411 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 79.988 ms
Loss rate: 2.27%
```

Run 1: Report of PCC-Expr — Data Link

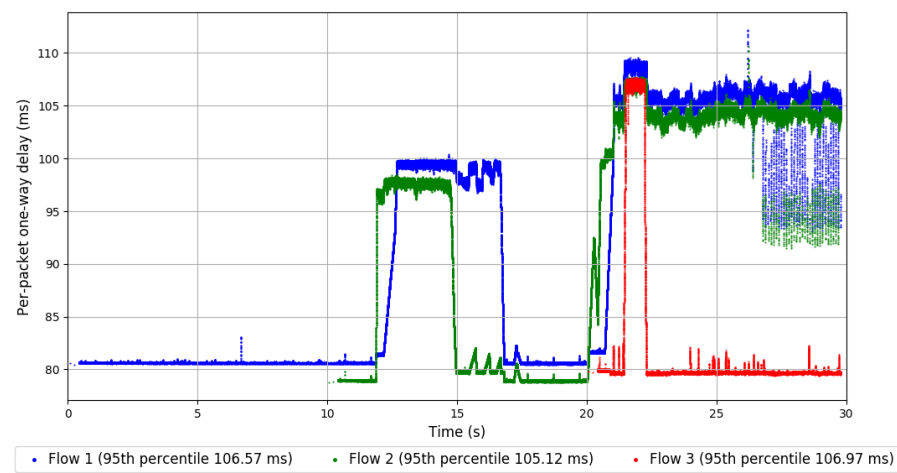
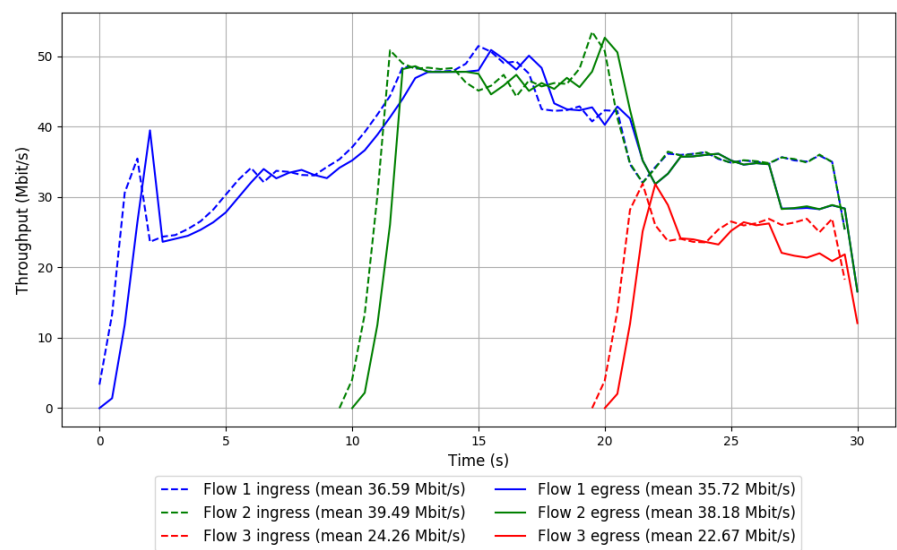


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-02 00:46:28
End at: 2018-08-02 00:46:58
Local clock offset: -6.657 ms
Remote clock offset: 5.012 ms

# Below is generated by plot.py at 2018-08-02 03:59:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 106.543 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 106.566 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 105.120 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 106.965 ms
Loss rate: 8.08%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-02 01:07:40

End at: 2018-08-02 01:08:10

Local clock offset: -5.87 ms

Remote clock offset: 3.163 ms

Below is generated by plot.py at 2018-08-02 03:59:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 104.503 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 100.612 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 107.004 ms

Loss rate: 1.30%

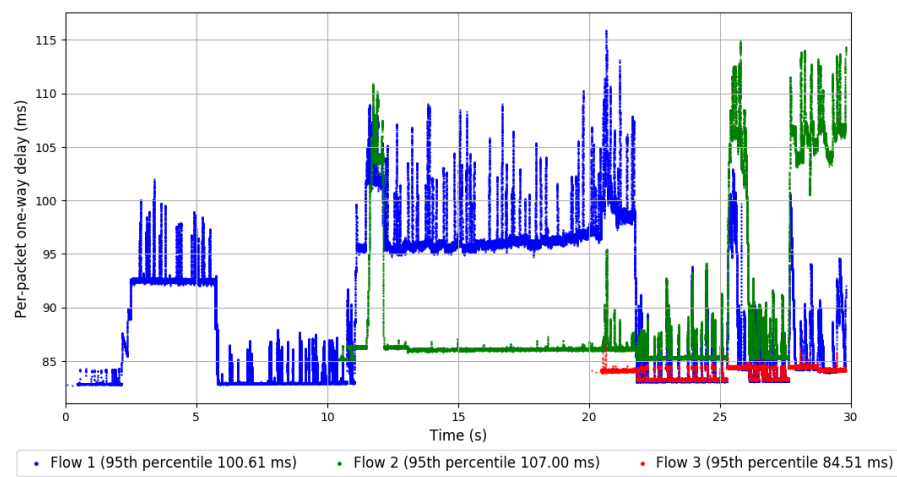
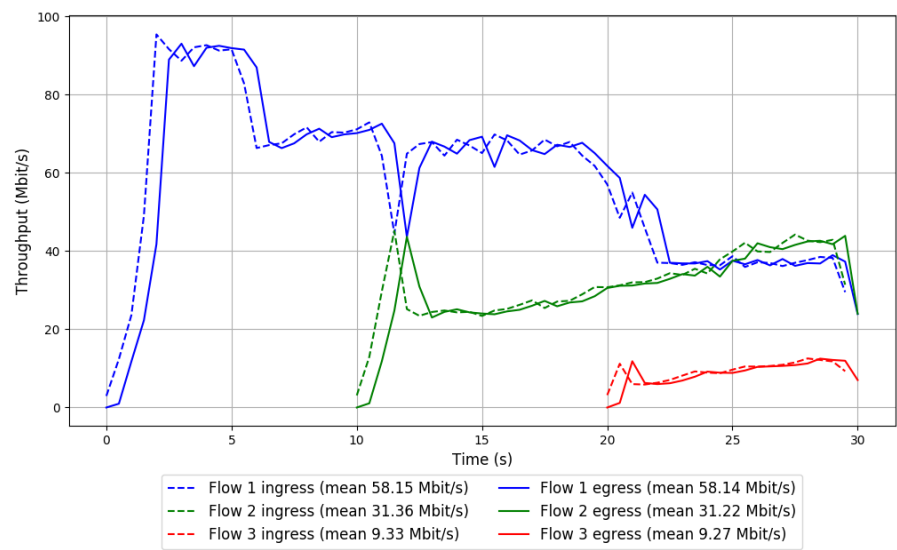
-- Flow 3:

Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 84.512 ms

Loss rate: 2.31%

Run 3: Report of PCC-Expr — Data Link

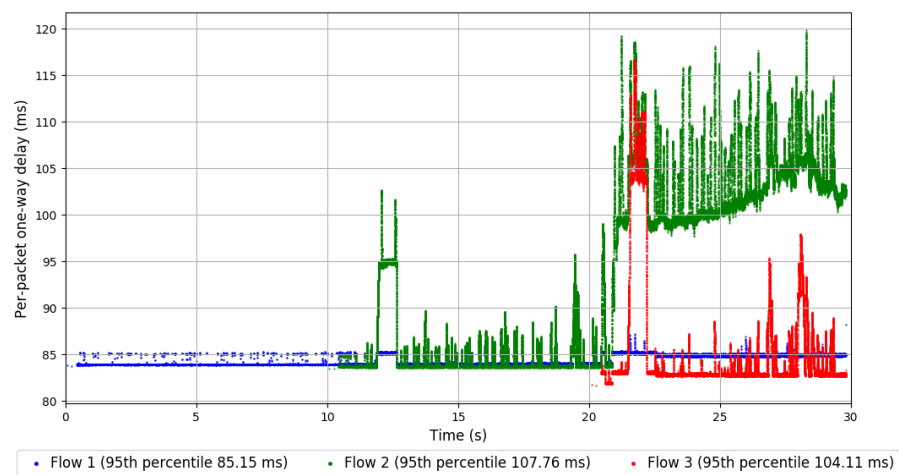
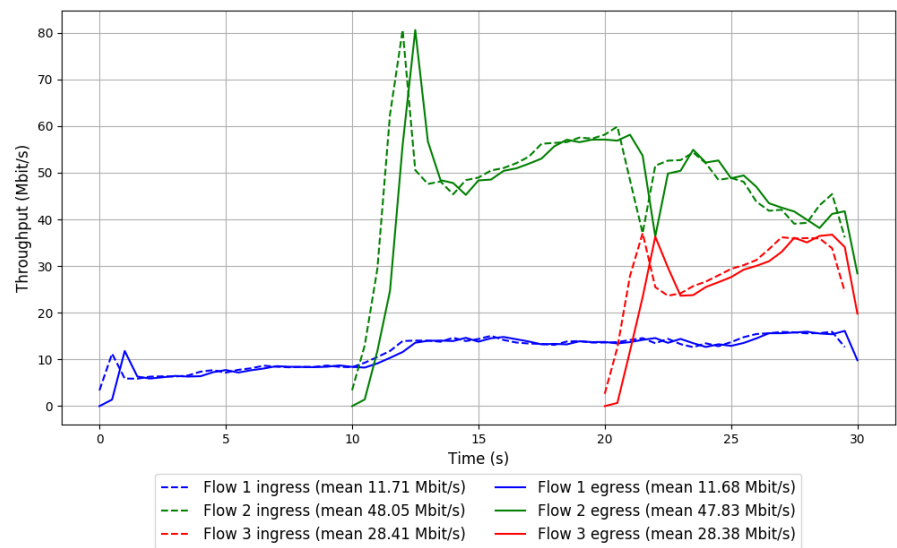


Run 4: Statistics of PCC-Expr

Start at: 2018-08-02 01:28:46
End at: 2018-08-02 01:29:16
Local clock offset: -6.202 ms
Remote clock offset: 10.693 ms

Below is generated by plot.py at 2018-08-02 03:59:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 106.048 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 85.153 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 107.760 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 104.108 ms
Loss rate: 1.81%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-02 01:49:48

End at: 2018-08-02 01:50:18

Local clock offset: -6.728 ms

Remote clock offset: 9.824 ms

Below is generated by plot.py at 2018-08-02 03:59:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.70 Mbit/s

95th percentile per-packet one-way delay: 88.764 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 15.14 Mbit/s

95th percentile per-packet one-way delay: 77.636 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 77.891 ms

Loss rate: 1.07%

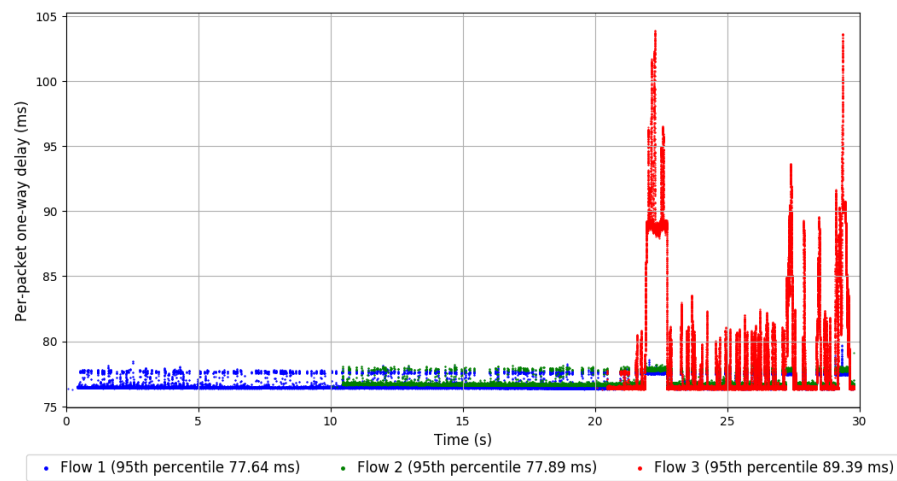
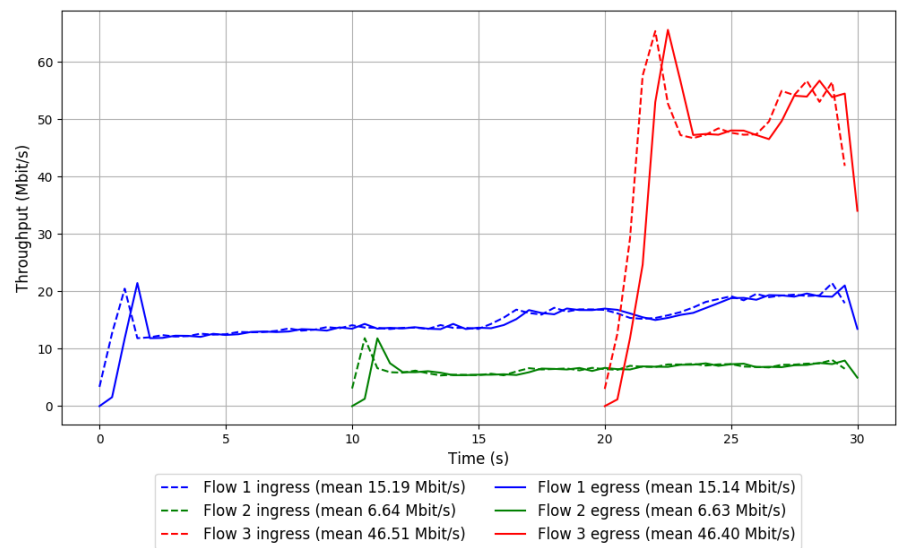
-- Flow 3:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 89.393 ms

Loss rate: 1.95%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-02 02:10:45

End at: 2018-08-02 02:11:15

Local clock offset: -6.089 ms

Remote clock offset: 3.091 ms

Below is generated by plot.py at 2018-08-02 03:59:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.69 Mbit/s

95th percentile per-packet one-way delay: 98.716 ms

Loss rate: 5.79%

-- Flow 1:

Average throughput: 63.57 Mbit/s

95th percentile per-packet one-way delay: 99.146 ms

Loss rate: 6.19%

-- Flow 2:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 85.365 ms

Loss rate: 5.18%

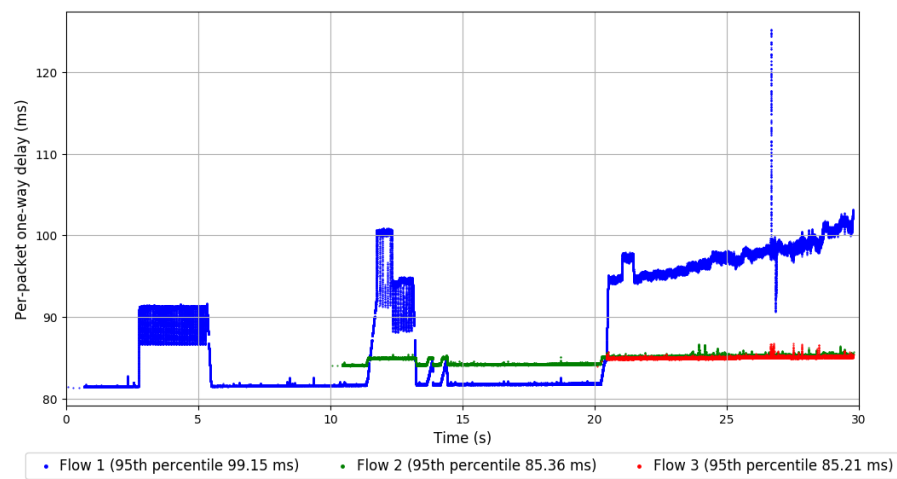
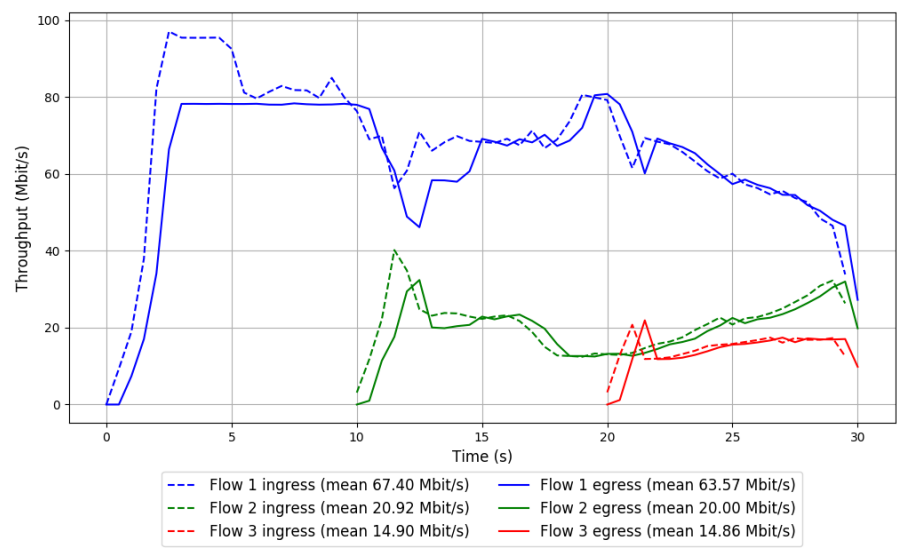
-- Flow 3:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 85.211 ms

Loss rate: 1.95%

Run 6: Report of PCC-Expr — Data Link

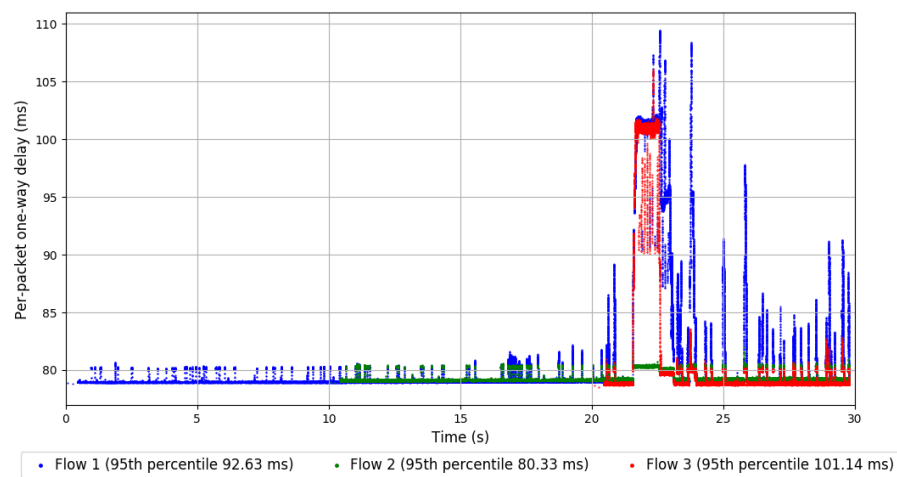
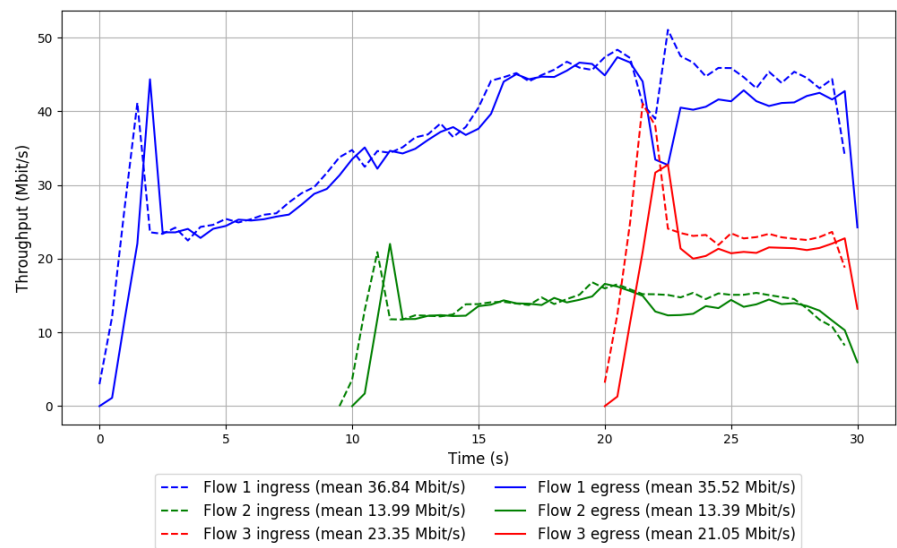


Run 7: Statistics of PCC-Expr

Start at: 2018-08-02 02:31:51
End at: 2018-08-02 02:32:21
Local clock offset: -6.448 ms
Remote clock offset: 17.681 ms

Below is generated by plot.py at 2018-08-02 03:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 94.628 ms
Loss rate: 5.36%
-- Flow 1:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 92.633 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 80.328 ms
Loss rate: 5.09%
-- Flow 3:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 101.145 ms
Loss rate: 11.43%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-02 02:52:57

End at: 2018-08-02 02:53:27

Local clock offset: -6.789 ms

Remote clock offset: 14.28 ms

Below is generated by plot.py at 2018-08-02 03:59:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.96 Mbit/s

95th percentile per-packet one-way delay: 107.281 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 44.43 Mbit/s

95th percentile per-packet one-way delay: 104.952 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 107.750 ms

Loss rate: 1.38%

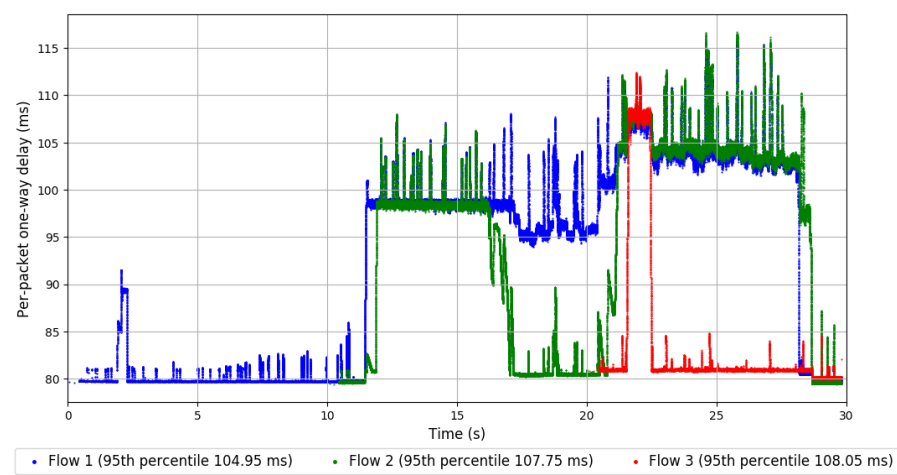
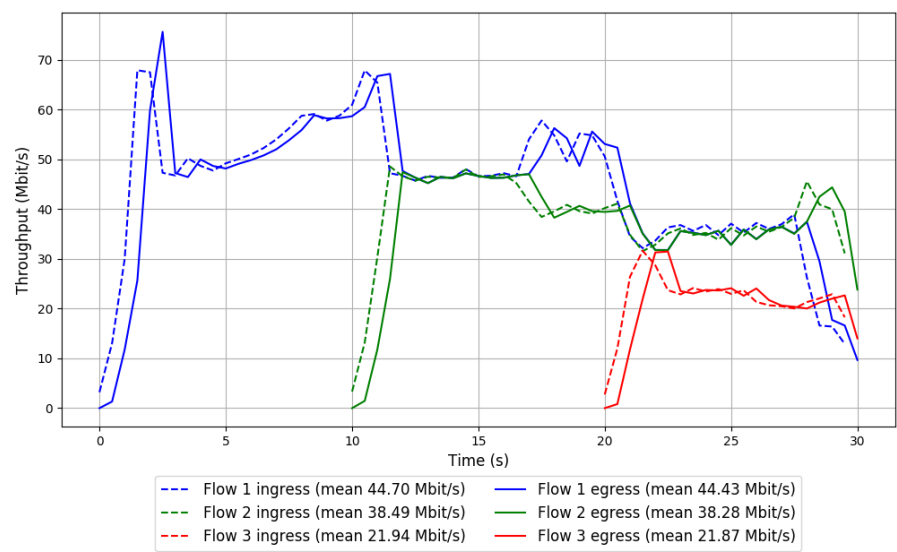
-- Flow 3:

Average throughput: 21.87 Mbit/s

95th percentile per-packet one-way delay: 108.046 ms

Loss rate: 1.99%

Run 8: Report of PCC-Expr — Data Link

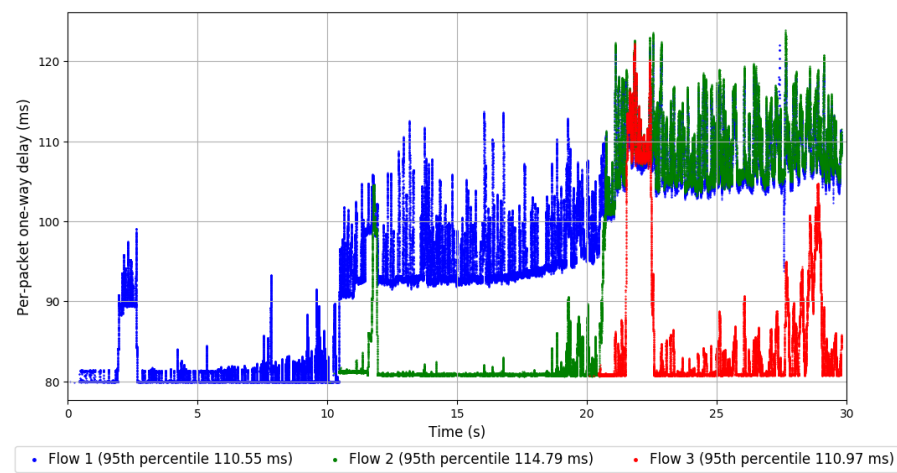
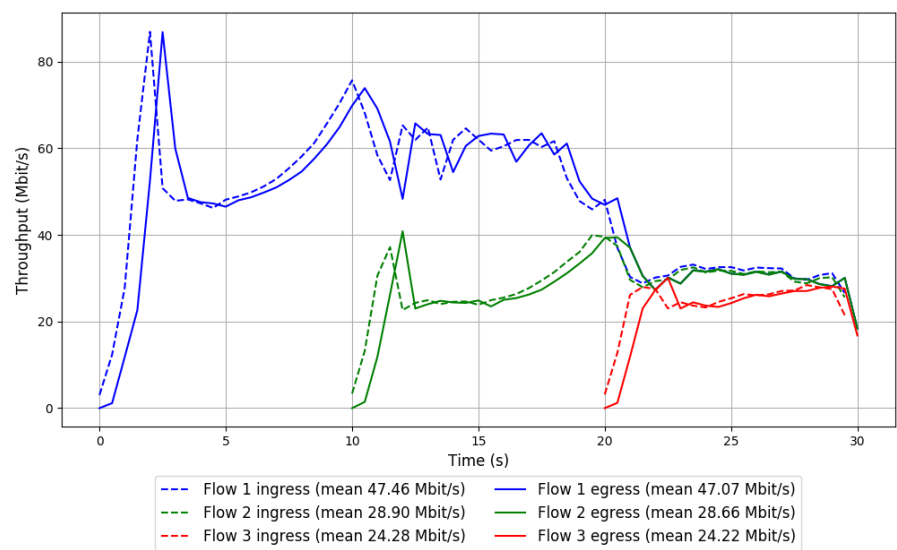


Run 9: Statistics of PCC-Expr

Start at: 2018-08-02 03:14:00
End at: 2018-08-02 03:14:30
Local clock offset: -7.32 ms
Remote clock offset: 12.344 ms

Below is generated by plot.py at 2018-08-02 04:00:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 112.256 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 110.546 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 28.66 Mbit/s
95th percentile per-packet one-way delay: 114.794 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 110.967 ms
Loss rate: 2.02%

Run 9: Report of PCC-Expr — Data Link

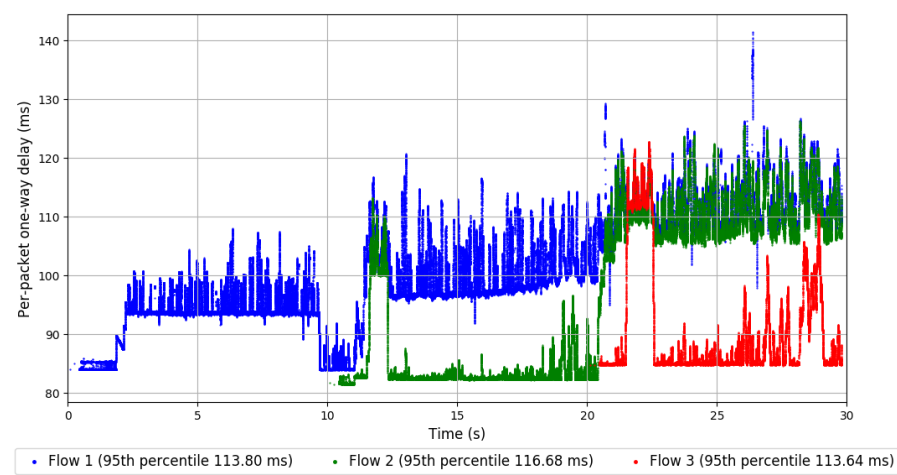
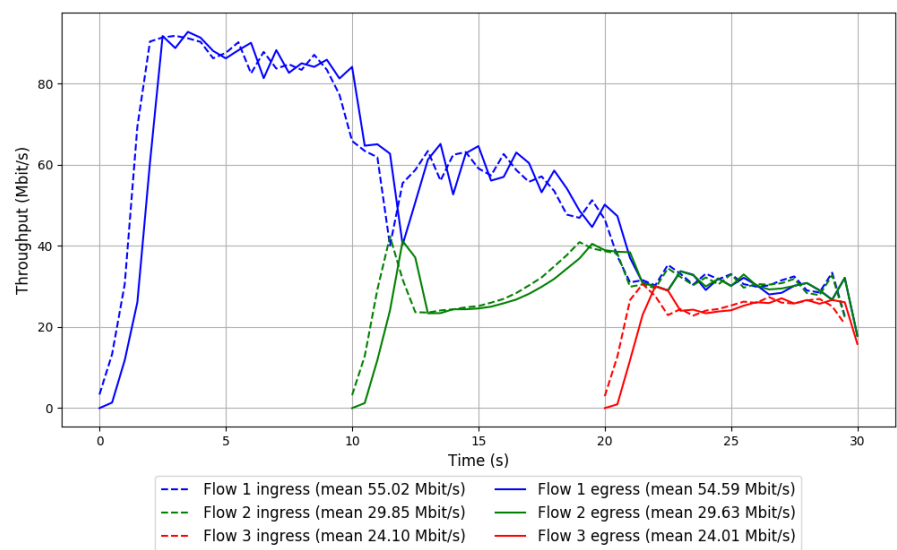


Run 10: Statistics of PCC-Expr

Start at: 2018-08-02 03:35:16
End at: 2018-08-02 03:35:46
Local clock offset: -7.242 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-02 04:00:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.08 Mbit/s
95th percentile per-packet one-way delay: 114.725 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 113.800 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 116.681 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 113.636 ms
Loss rate: 2.04%

Run 10: Report of PCC-Expr — Data Link

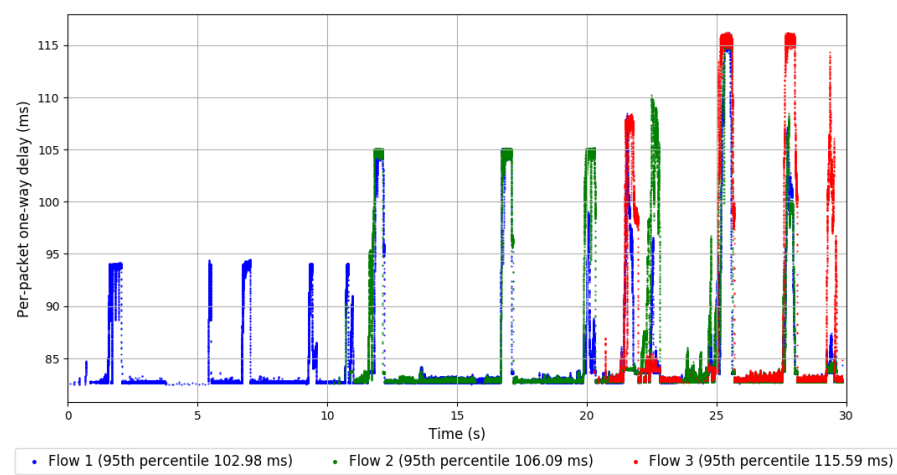
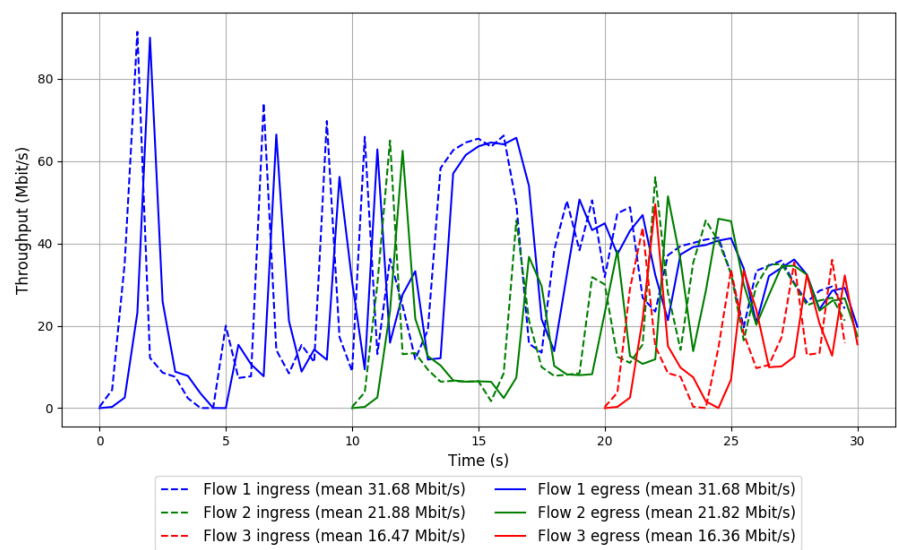


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-02 00:15:15
End at: 2018-08-02 00:15:45
Local clock offset: -5.648 ms
Remote clock offset: 15.879 ms

Below is generated by plot.py at 2018-08-02 04:00:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 106.149 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 102.984 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 106.091 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 115.594 ms
Loss rate: 2.29%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-02 00:36:32

End at: 2018-08-02 00:37:02

Local clock offset: -6.437 ms

Remote clock offset: 6.591 ms

Below is generated by plot.py at 2018-08-02 04:00:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.36 Mbit/s

95th percentile per-packet one-way delay: 106.534 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 105.926 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 23.11 Mbit/s

95th percentile per-packet one-way delay: 106.677 ms

Loss rate: 1.23%

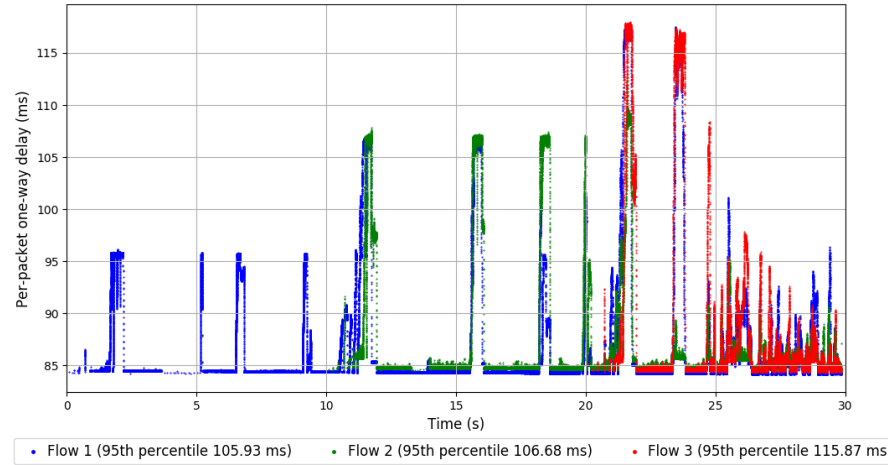
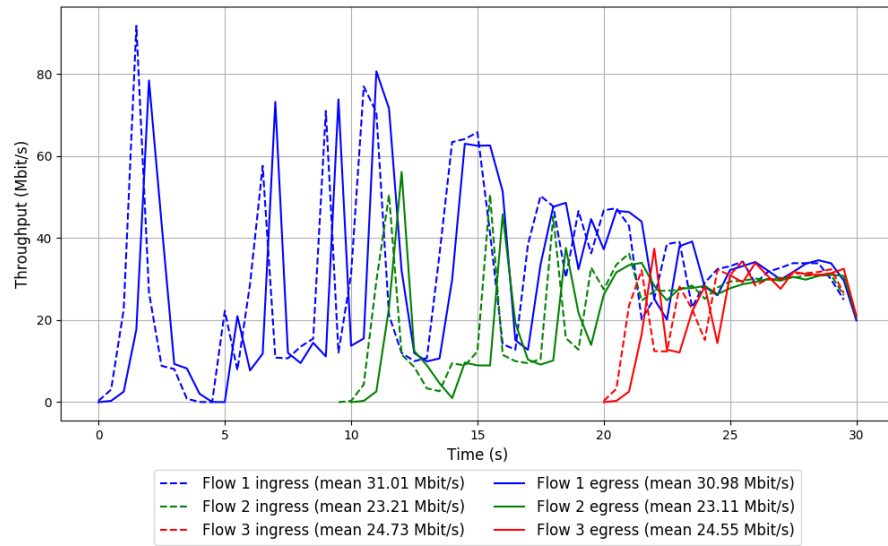
-- Flow 3:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 115.870 ms

Loss rate: 2.37%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-02 00:57:38

End at: 2018-08-02 00:58:08

Local clock offset: -6.246 ms

Remote clock offset: 0.79 ms

Below is generated by plot.py at 2018-08-02 04:00:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.54 Mbit/s

95th percentile per-packet one-way delay: 101.513 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 97.762 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 25.71 Mbit/s

95th percentile per-packet one-way delay: 101.910 ms

Loss rate: 1.15%

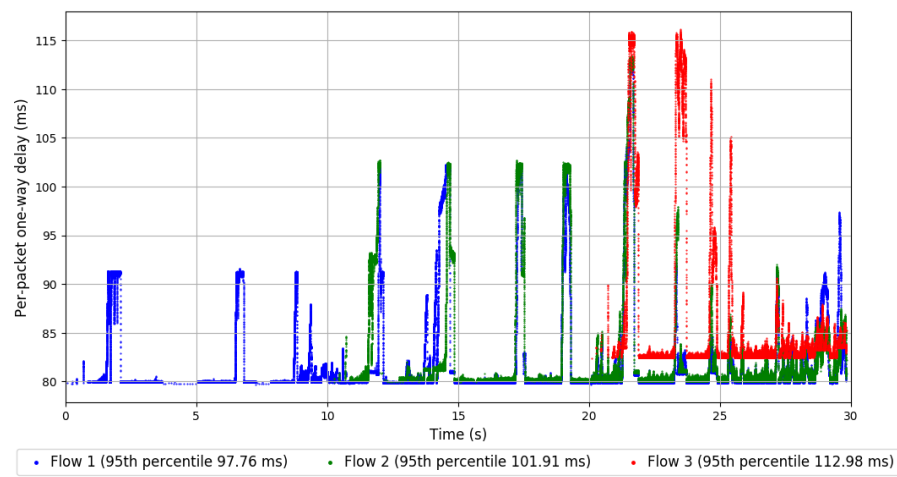
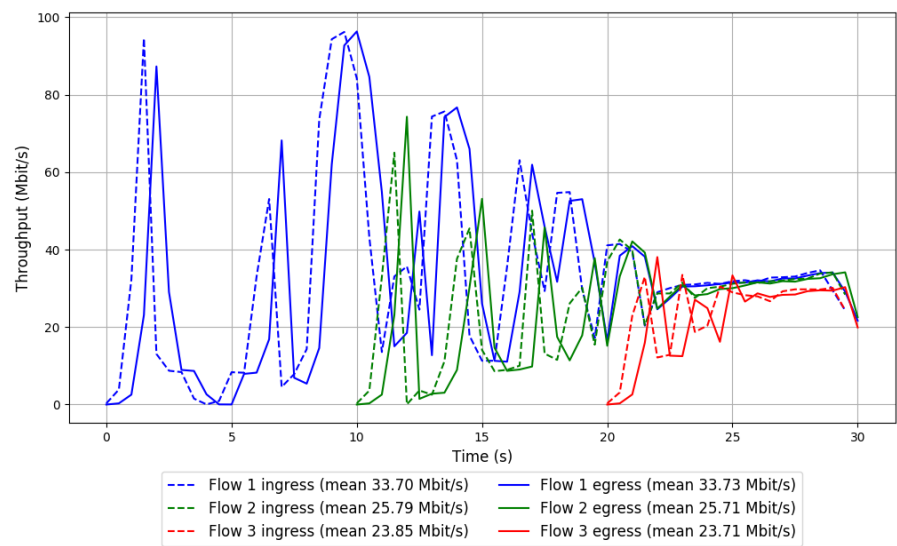
-- Flow 3:

Average throughput: 23.71 Mbit/s

95th percentile per-packet one-way delay: 112.985 ms

Loss rate: 2.20%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-02 01:18:53

End at: 2018-08-02 01:19:23

Local clock offset: -5.766 ms

Remote clock offset: 8.003 ms

Below is generated by plot.py at 2018-08-02 04:00:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 93.542 ms

Loss rate: 2.76%

-- Flow 1:

Average throughput: 26.58 Mbit/s

95th percentile per-packet one-way delay: 93.788 ms

Loss rate: 2.84%

-- Flow 2:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 84.105 ms

Loss rate: 1.75%

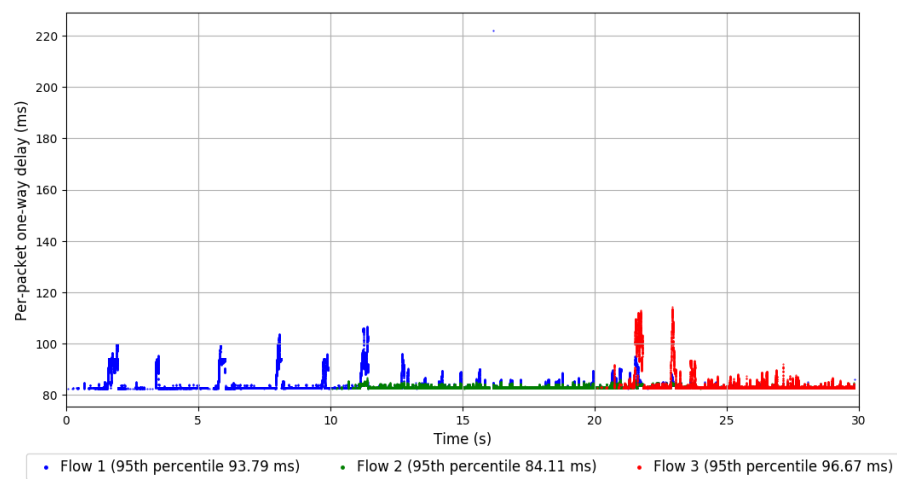
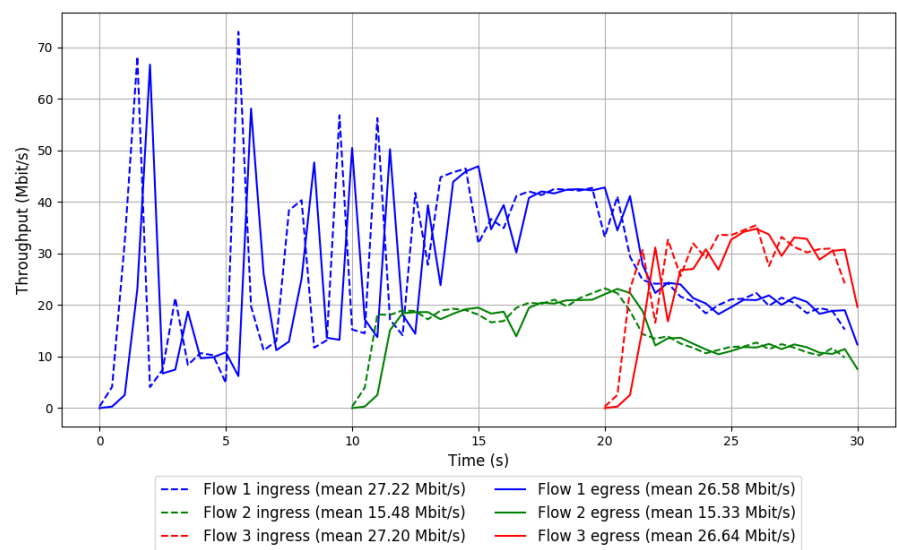
-- Flow 3:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 96.675 ms

Loss rate: 3.68%

Run 4: Report of QUIC Cubic — Data Link

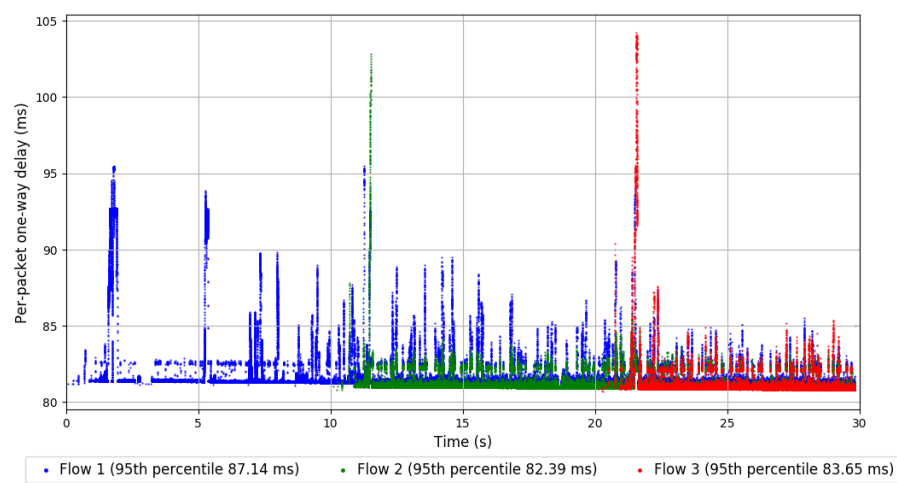
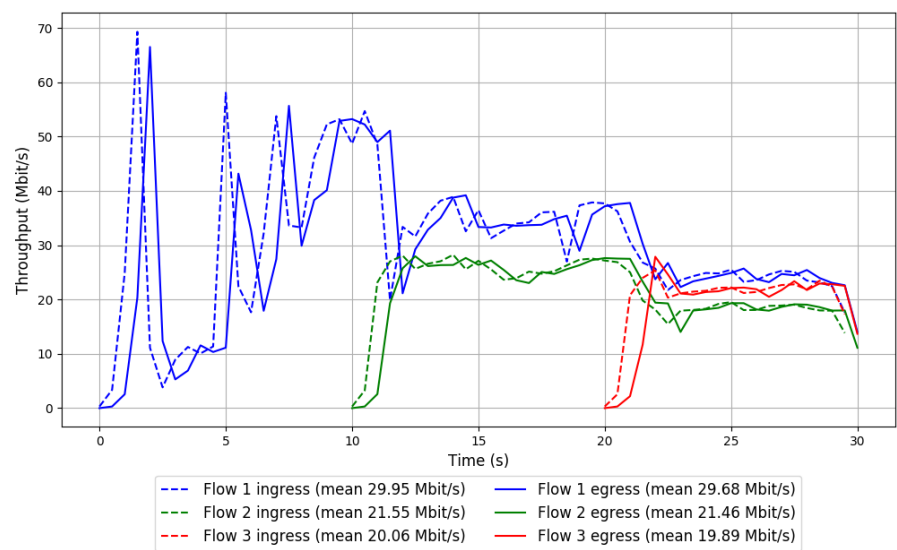


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-02 01:39:54
End at: 2018-08-02 01:40:24
Local clock offset: -6.609 ms
Remote clock offset: 11.259 ms

Below is generated by plot.py at 2018-08-02 04:00:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 84.823 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 87.144 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 82.394 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 83.651 ms
Loss rate: 2.51%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-02 02:00:52

End at: 2018-08-02 02:01:22

Local clock offset: -6.288 ms

Remote clock offset: 3.4 ms

Below is generated by plot.py at 2018-08-02 04:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.50 Mbit/s

95th percentile per-packet one-way delay: 105.406 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 100.258 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 101.429 ms

Loss rate: 0.72%

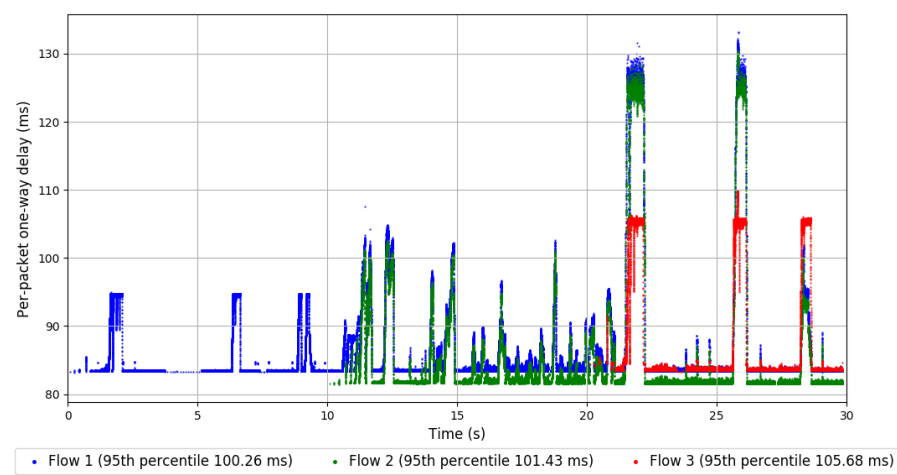
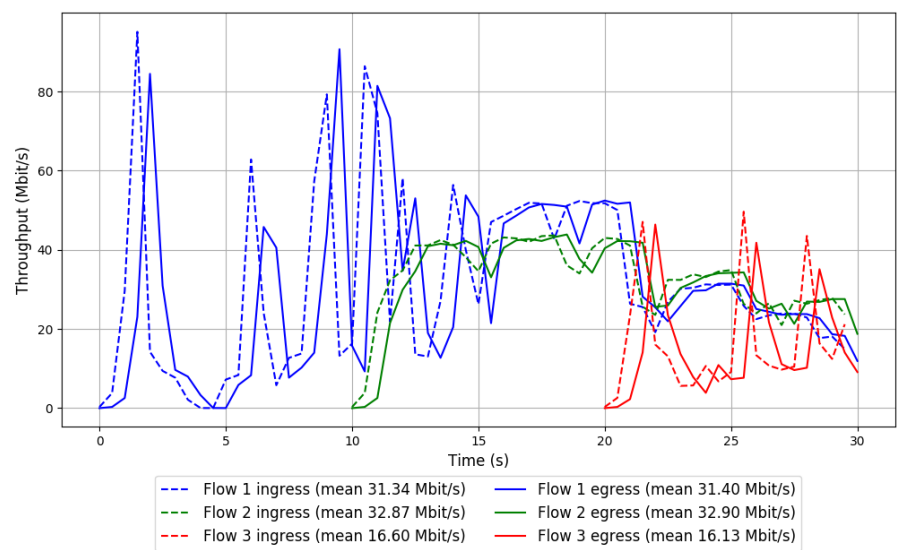
-- Flow 3:

Average throughput: 16.13 Mbit/s

95th percentile per-packet one-way delay: 105.676 ms

Loss rate: 4.48%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-02 02:21:59

End at: 2018-08-02 02:22:29

Local clock offset: -6.012 ms

Remote clock offset: 9.319 ms

Below is generated by plot.py at 2018-08-02 04:00:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 106.488 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 33.21 Mbit/s

95th percentile per-packet one-way delay: 97.063 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 24.08 Mbit/s

95th percentile per-packet one-way delay: 106.728 ms

Loss rate: 1.16%

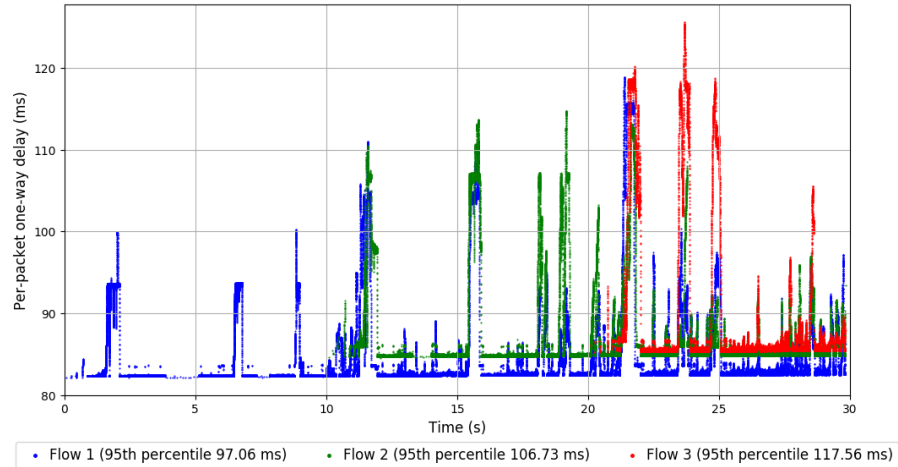
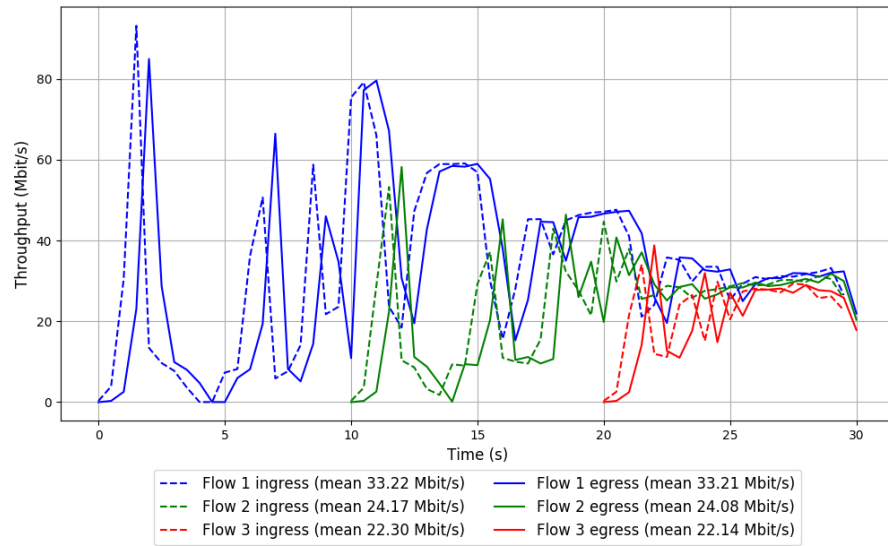
-- Flow 3:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 117.562 ms

Loss rate: 2.35%

Run 7: Report of QUIC Cubic — Data Link

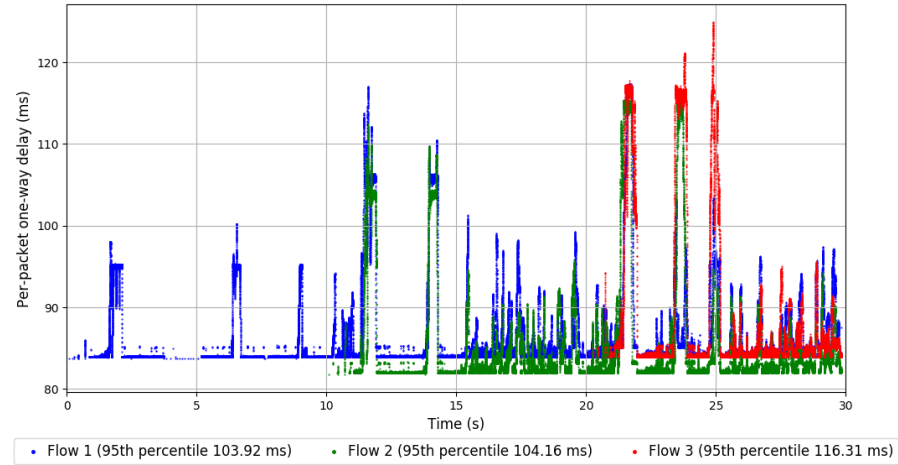
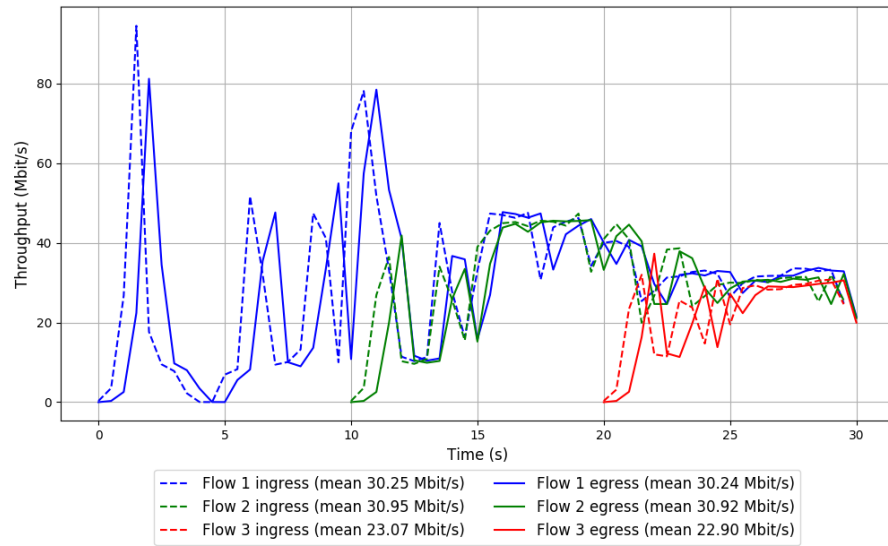


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-02 02:43:03
End at: 2018-08-02 02:43:33
Local clock offset: -6.656 ms
Remote clock offset: 14.256 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 105.980 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 103.920 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 104.162 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 22.90 Mbit/s
95th percentile per-packet one-way delay: 116.307 ms
Loss rate: 2.39%
```

Run 8: Report of QUIC Cubic — Data Link

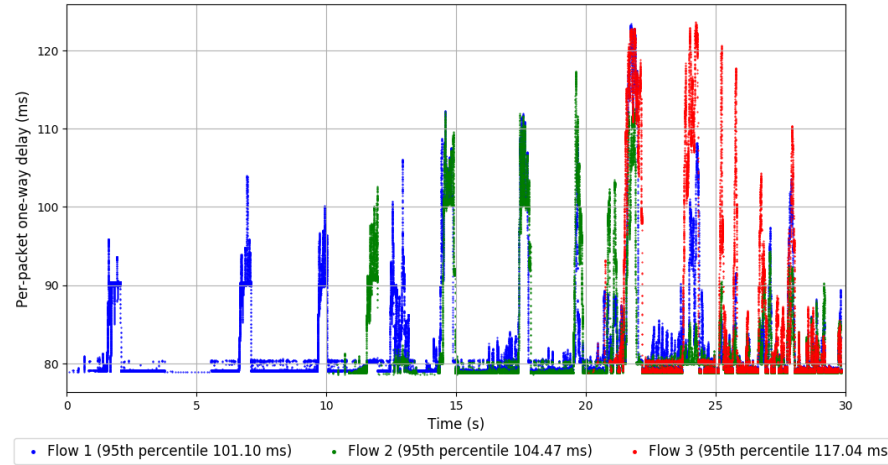
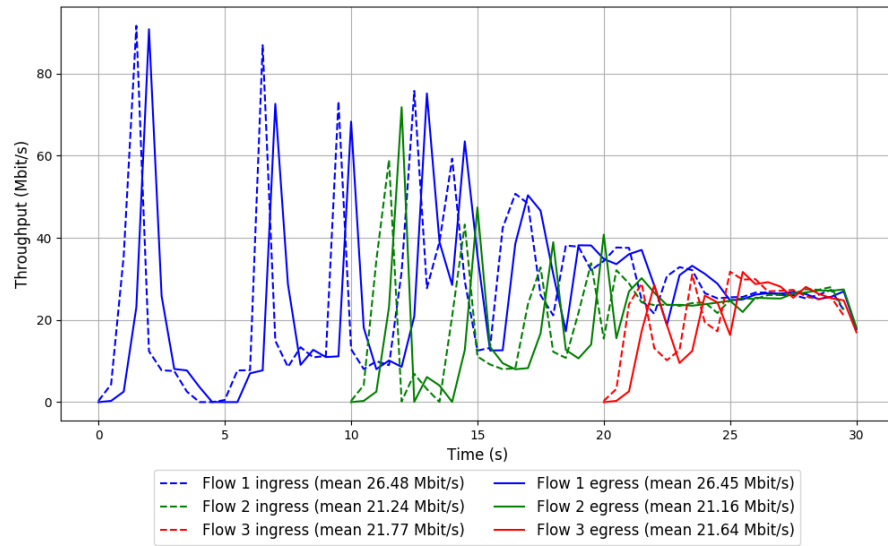


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-02 03:04:07
End at: 2018-08-02 03:04:37
Local clock offset: -7.142 ms
Remote clock offset: 11.701 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 105.677 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 101.103 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 104.469 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 117.043 ms
Loss rate: 2.21%

Run 9: Report of QUIC Cubic — Data Link

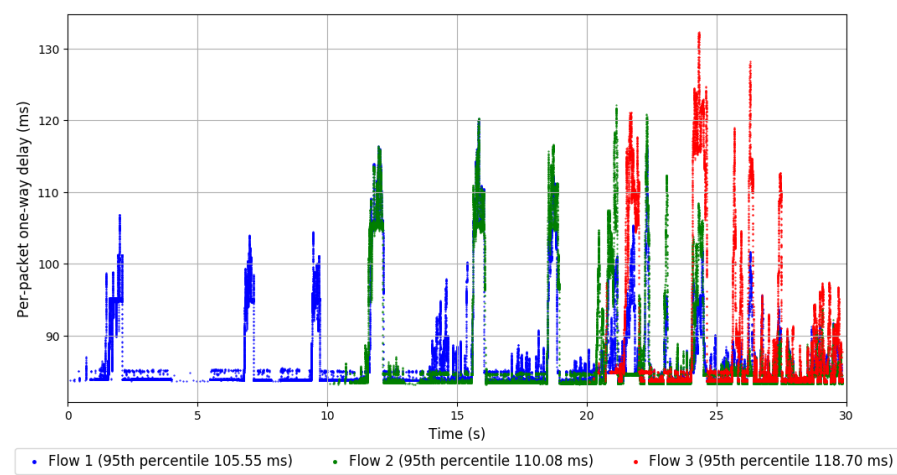
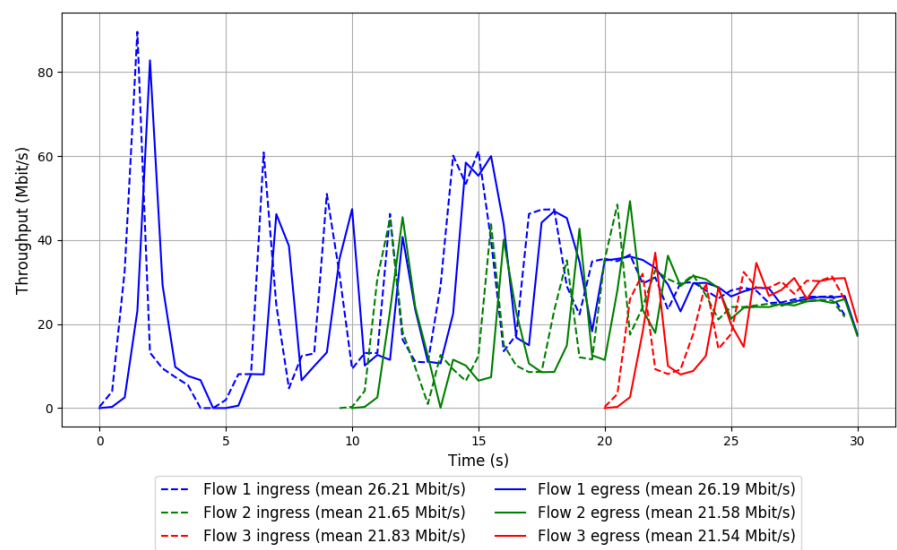


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-08-02 03:25:13
End at: 2018-08-02 03:25:43
Local clock offset: -7.4 ms
Remote clock offset: 4.61 ms

# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.57 Mbit/s
95th percentile per-packet one-way delay: 109.898 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 105.551 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 110.082 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 118.703 ms
Loss rate: 2.96%
```


Run 10: Report of QUIC Cubic — Data Link

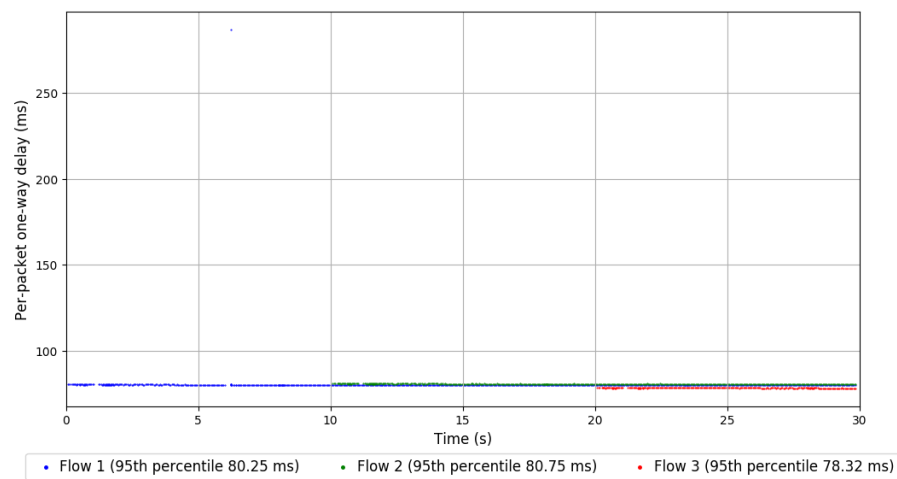
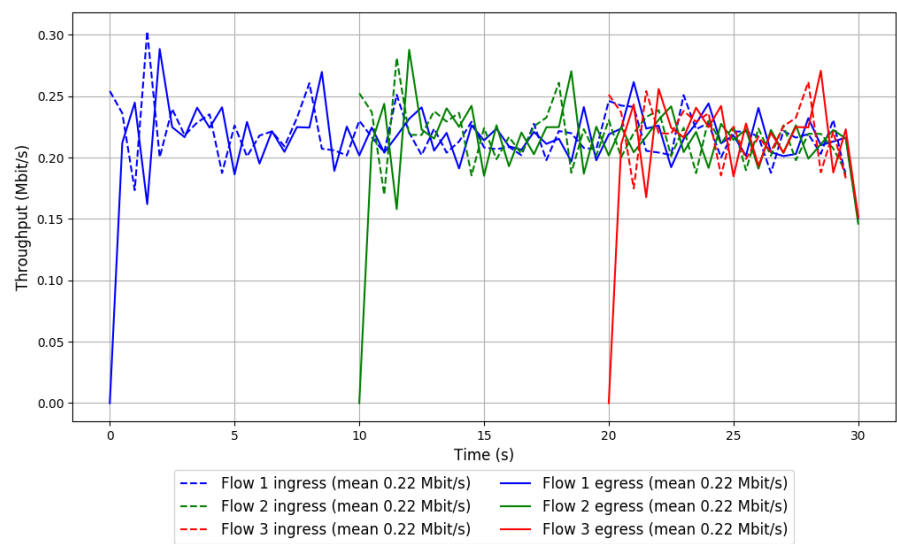


```
Run 1: Statistics of SReAM

Start at: 2018-08-02 00:35:22
End at: 2018-08-02 00:35:52
Local clock offset: -6.422 ms
Remote clock offset: 11.563 ms

# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 80.712 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.246 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.751 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.324 ms
Loss rate: 1.45%
```

Run 1: Report of SReAM — Data Link

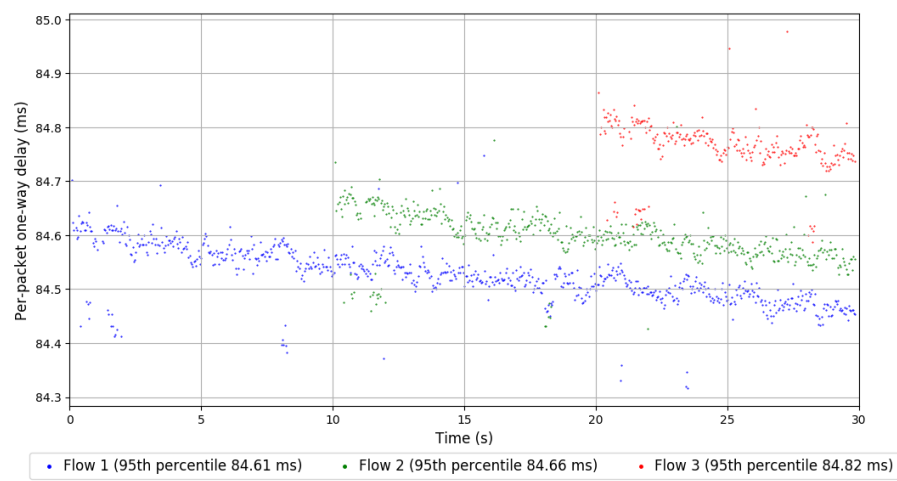
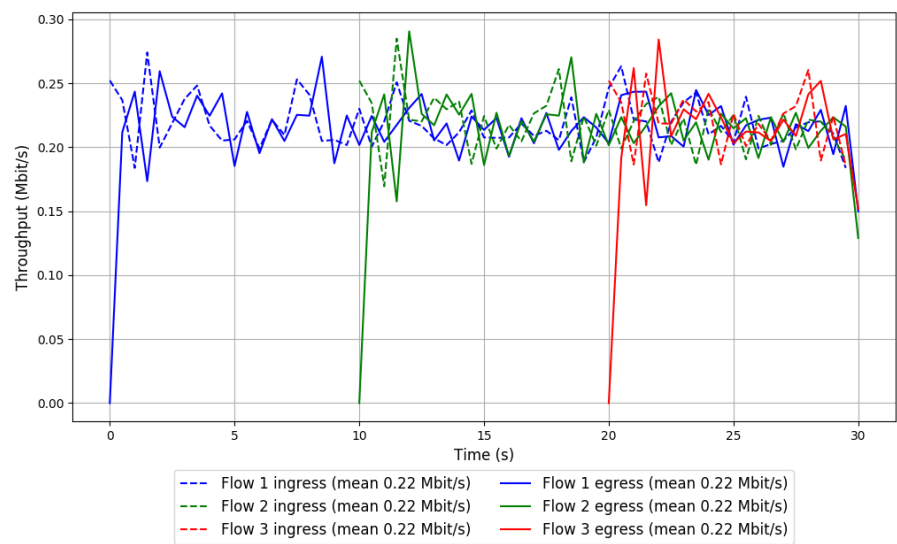


Run 2: Statistics of SReAM

Start at: 2018-08-02 00:56:27
End at: 2018-08-02 00:56:57
Local clock offset: -6.322 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 84.786 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.608 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.664 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.818 ms
Loss rate: 1.86%

Run 2: Report of SReAM — Data Link

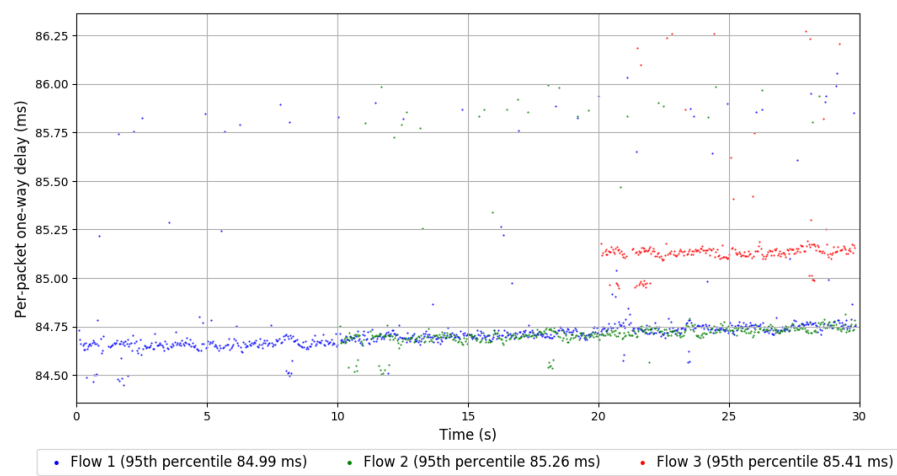
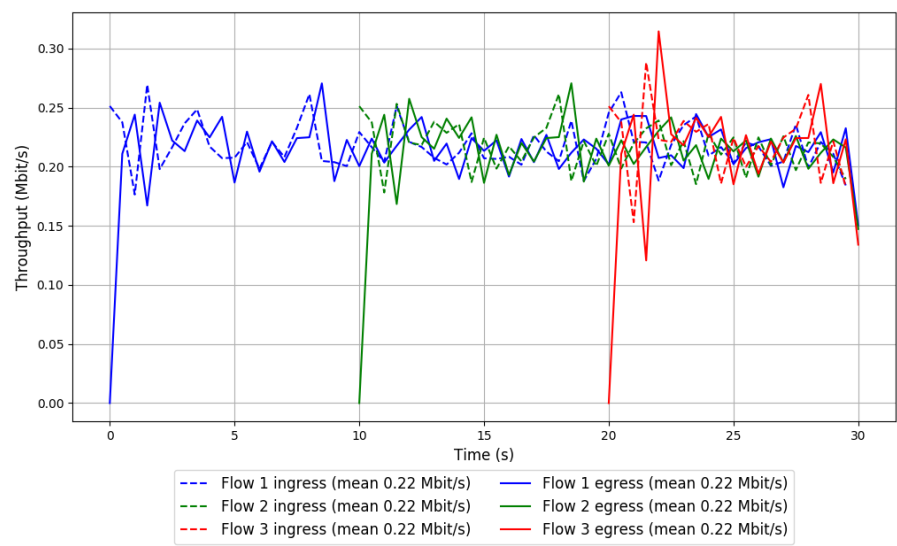


Run 3: Statistics of SReAM

Start at: 2018-08-02 01:17:37
End at: 2018-08-02 01:18:07
Local clock offset: -5.803 ms
Remote clock offset: 7.566 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.219 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.991 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.256 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.408 ms
Loss rate: 1.83%

Run 3: Report of SReAM — Data Link

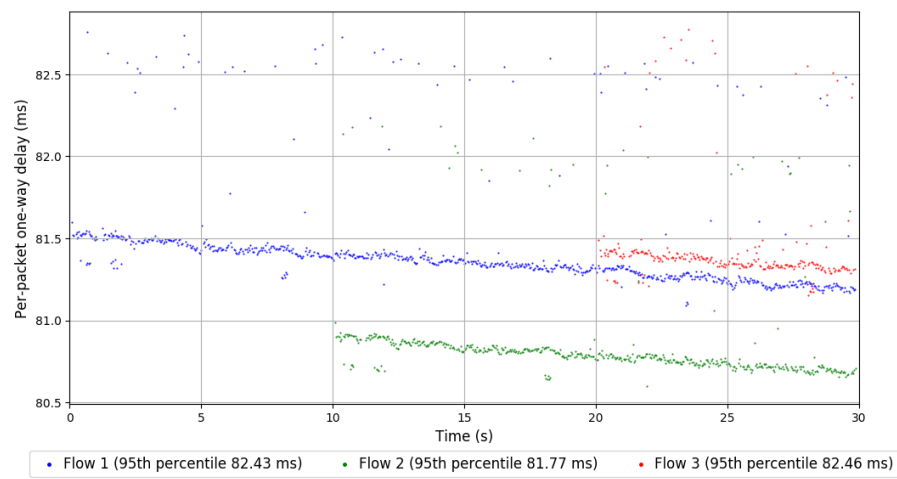
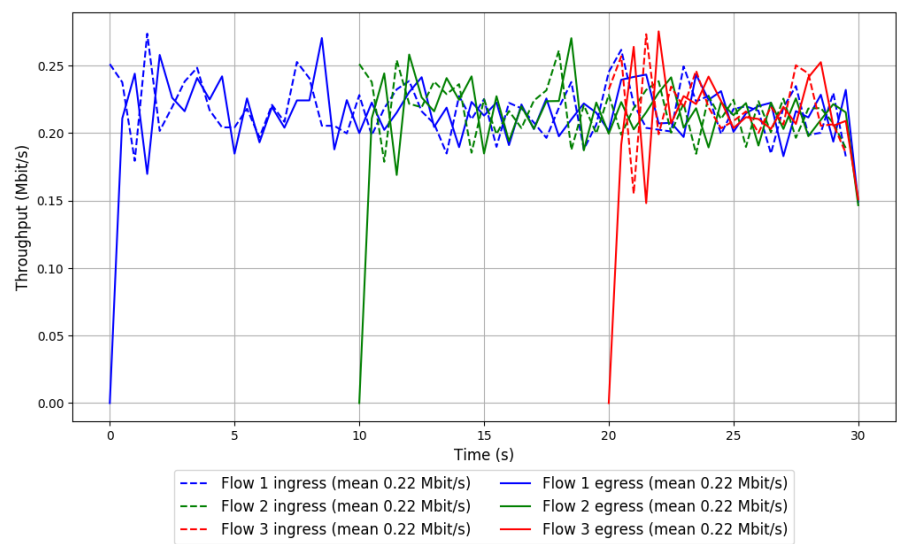


Run 4: Statistics of SReAM

Start at: 2018-08-02 01:38:44
End at: 2018-08-02 01:39:14
Local clock offset: -6.542 ms
Remote clock offset: 9.572 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.023 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.430 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.772 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.460 ms
Loss rate: 1.51%
```


Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-02 01:59:42

End at: 2018-08-02 02:00:12

Local clock offset: -6.323 ms

Remote clock offset: 8.471 ms

Below is generated by plot.py at 2018-08-02 04:00:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 79.158 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.234 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.435 ms

Loss rate: 0.82%

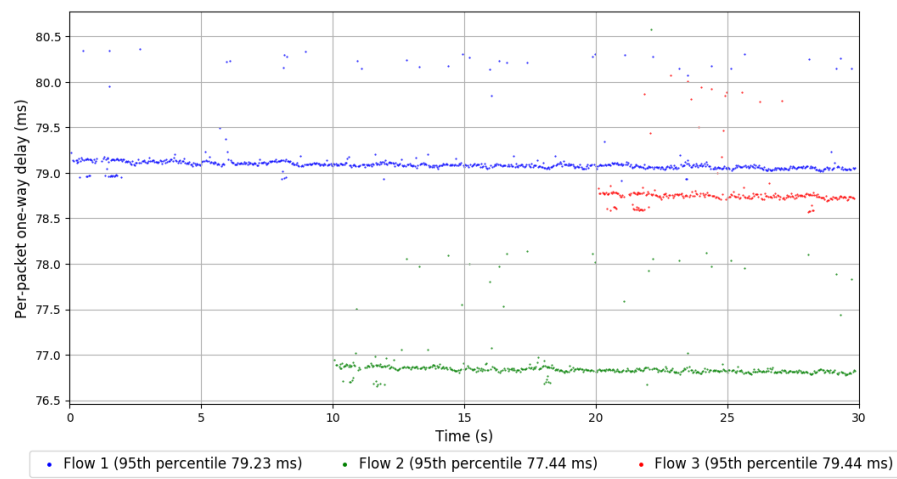
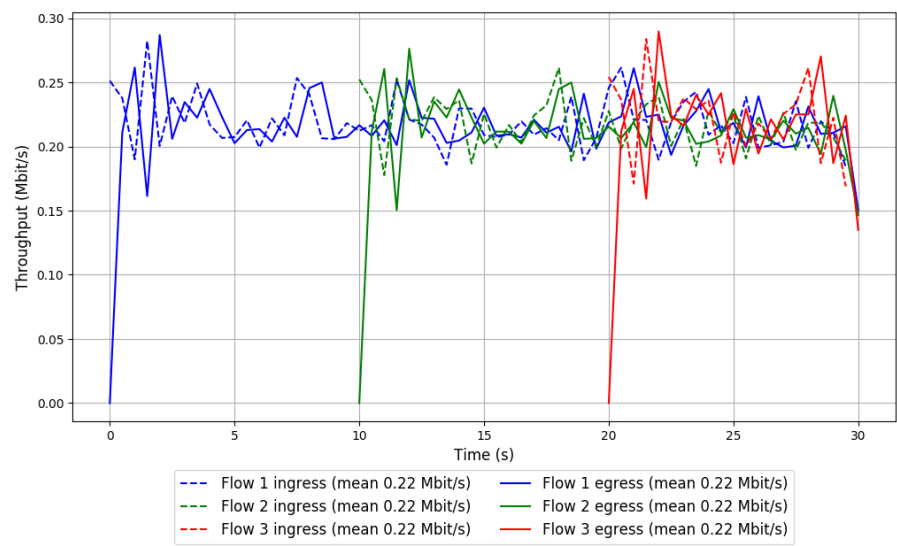
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.442 ms

Loss rate: 1.50%

Run 5: Report of SReAM — Data Link

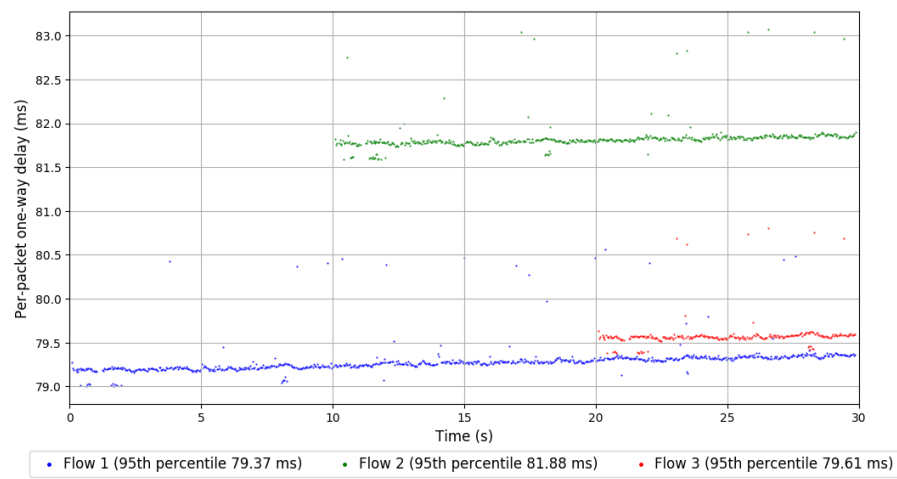
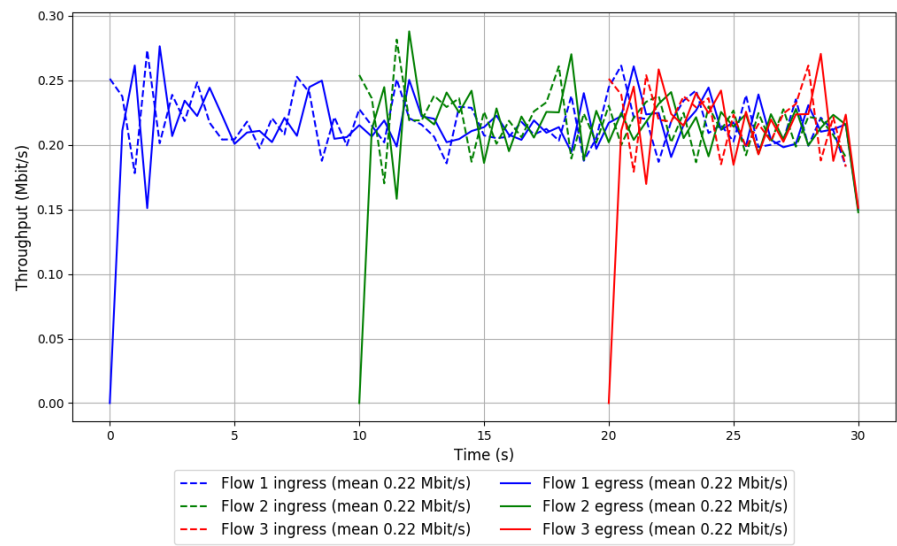


Run 6: Statistics of SReAM

Start at: 2018-08-02 02:20:48
End at: 2018-08-02 02:21:18
Local clock offset: -6.013 ms
Remote clock offset: 12.469 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.851 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.367 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.877 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.613 ms
Loss rate: 1.45%

Run 6: Report of SReAM — Data Link

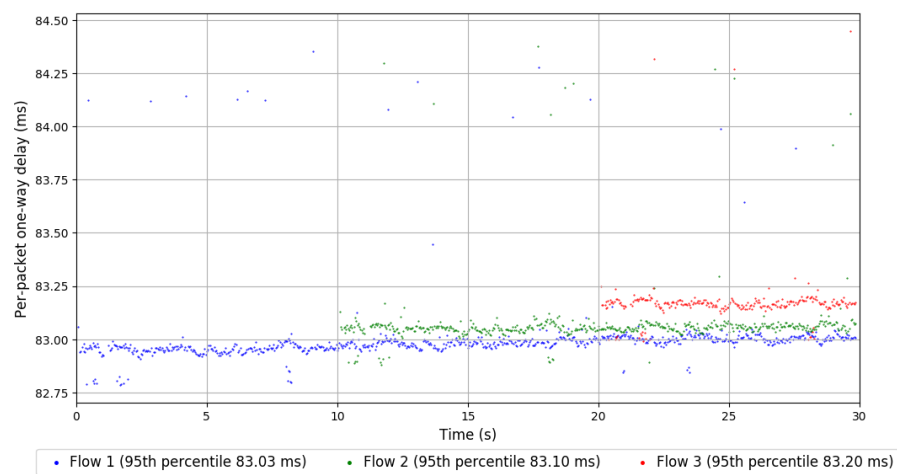
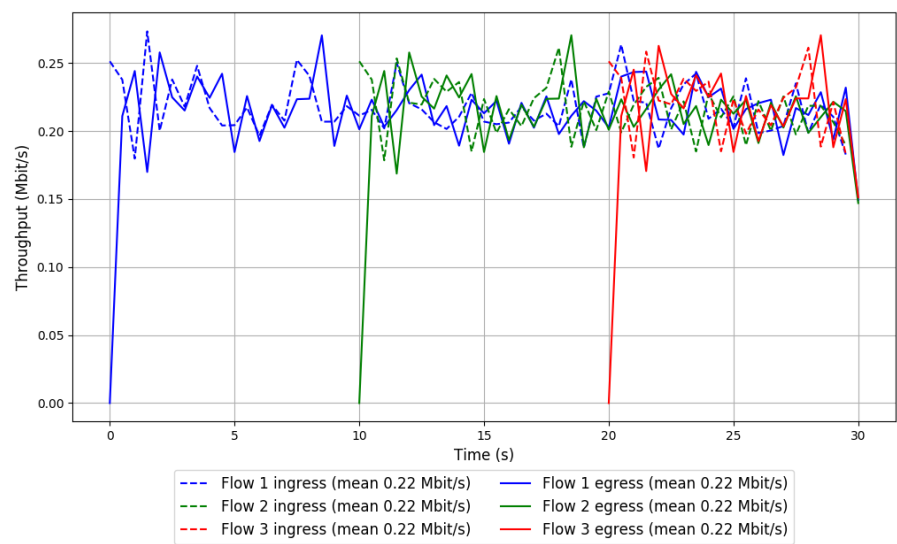


Run 7: Statistics of SReAM

Start at: 2018-08-02 02:41:53
End at: 2018-08-02 02:42:23
Local clock offset: -6.651 ms
Remote clock offset: 13.108 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.185 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.034 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.100 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.202 ms
Loss rate: 1.45%

Run 7: Report of SReAM — Data Link

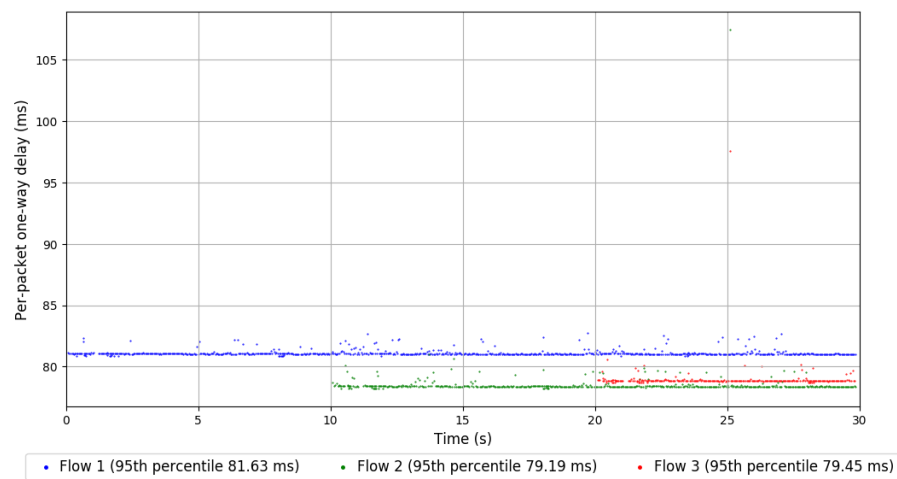
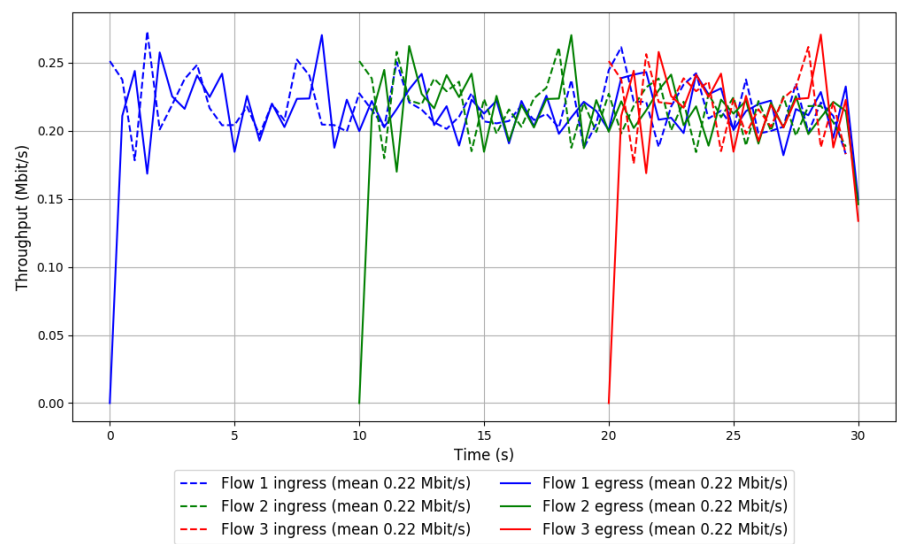


Run 8: Statistics of SReAM

Start at: 2018-08-02 03:02:57
End at: 2018-08-02 03:03:27
Local clock offset: -7.136 ms
Remote clock offset: 11.719 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.239 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.628 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.194 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.452 ms
Loss rate: 1.84%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-02 03:24:02

End at: 2018-08-02 03:24:32

Local clock offset: -7.459 ms

Remote clock offset: 4.443 ms

Below is generated by plot.py at 2018-08-02 04:00:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 84.611 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.879 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.607 ms

Loss rate: 0.82%

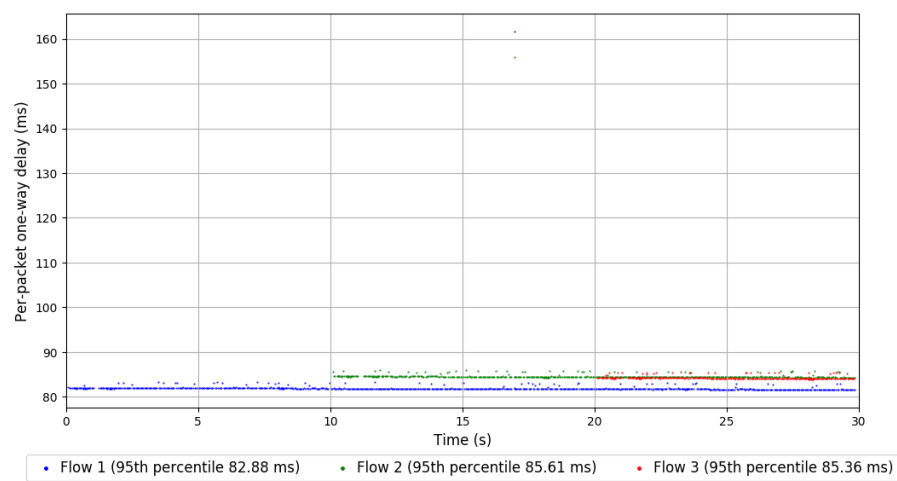
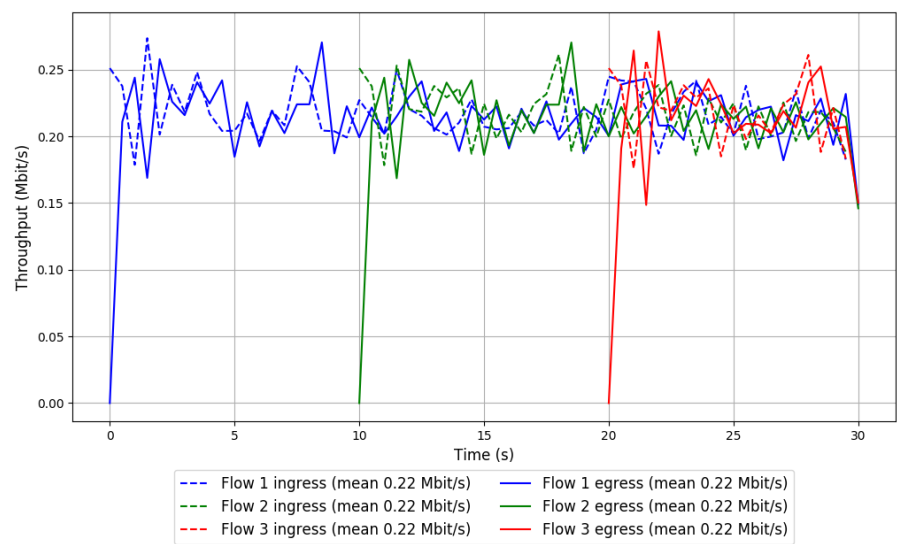
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.360 ms

Loss rate: 1.84%

Run 9: Report of SCReAM — Data Link

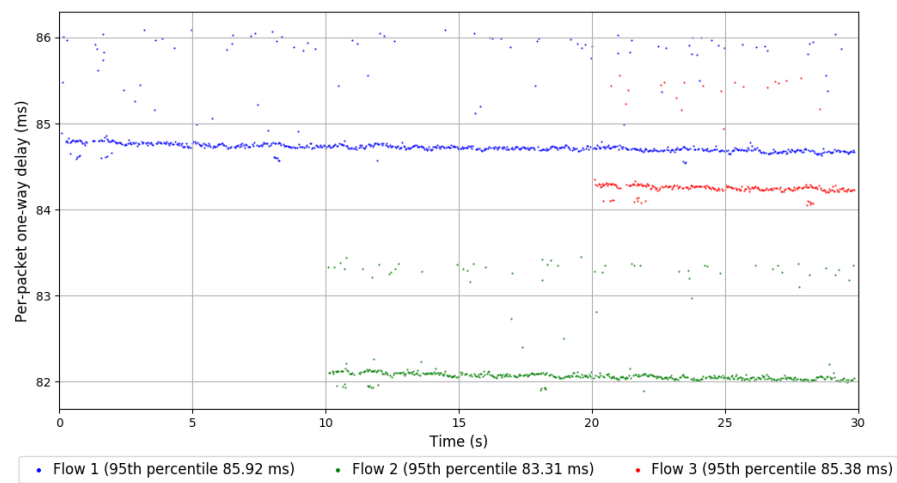
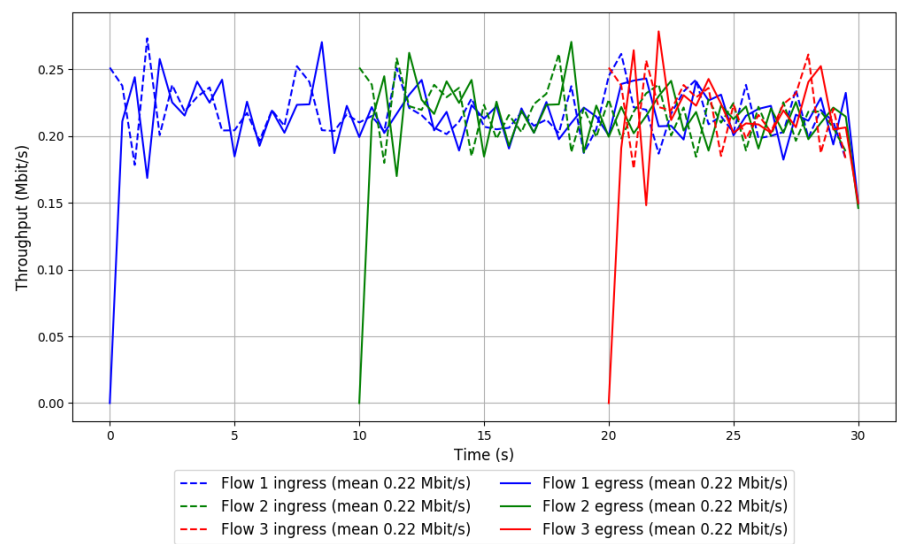


Run 10: Statistics of SReAM

Start at: 2018-08-02 03:45:16
End at: 2018-08-02 03:45:46
Local clock offset: -7.24 ms
Remote clock offset: -3.621 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.477 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.918 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.309 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.382 ms
Loss rate: 1.84%

Run 10: Report of SReAM — Data Link

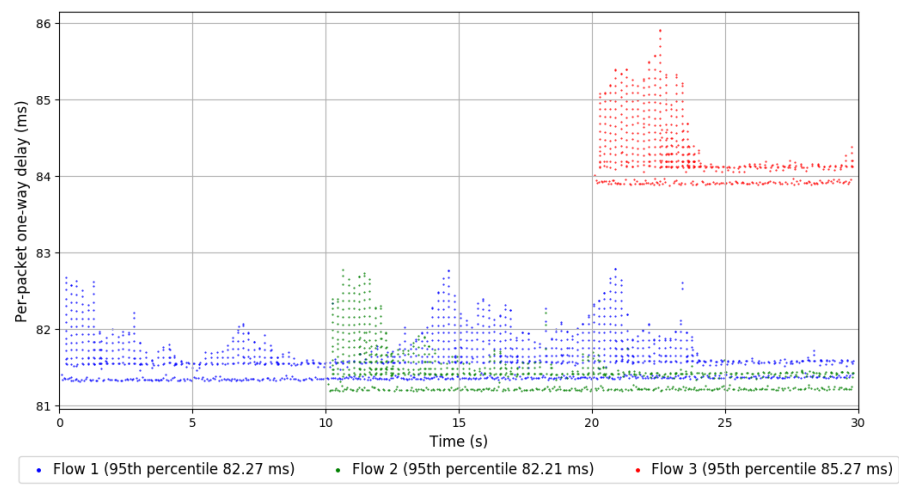
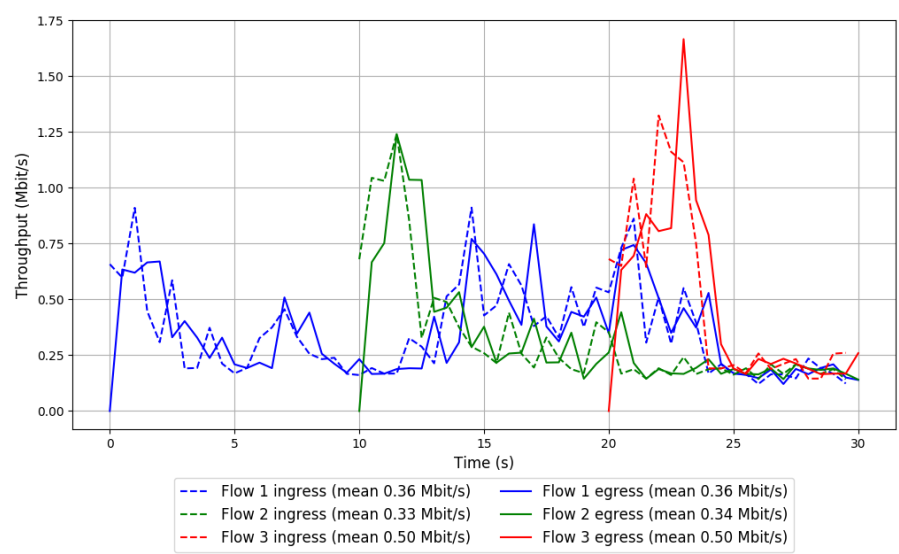


Run 1: Statistics of Sprout

Start at: 2018-08-02 00:20:16
End at: 2018-08-02 00:20:46
Local clock offset: -5.569 ms
Remote clock offset: 17.411 ms

Below is generated by plot.py at 2018-08-02 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 84.576 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 82.273 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 82.213 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 85.269 ms
Loss rate: 0.96%

Run 1: Report of Sprout — Data Link

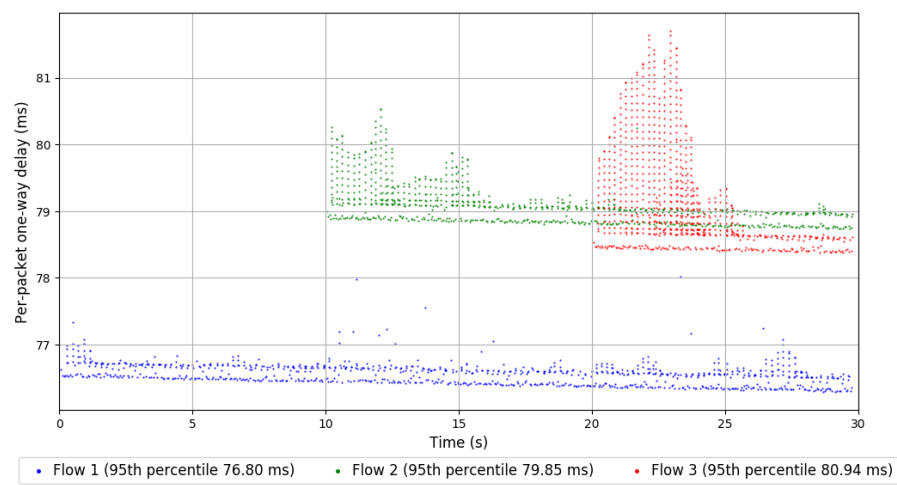
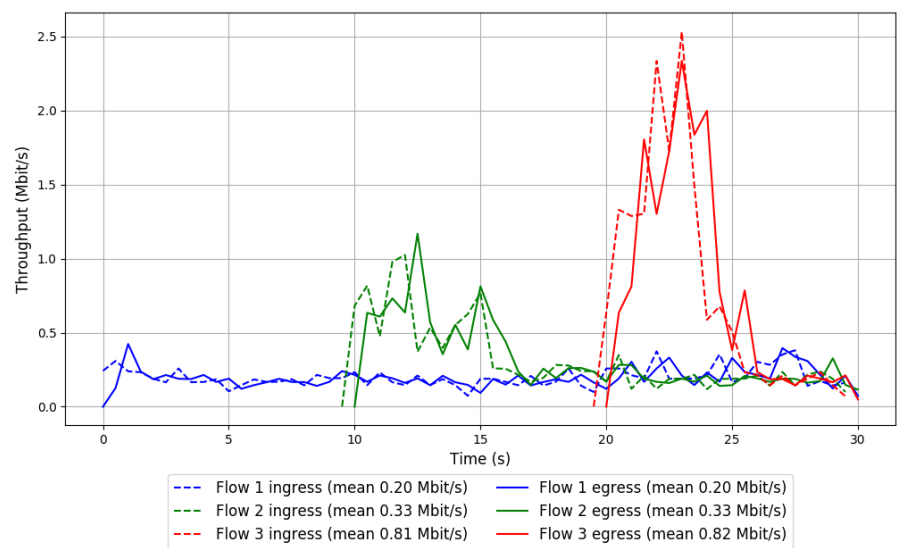


Run 2: Statistics of Sprout

Start at: 2018-08-02 00:41:34
End at: 2018-08-02 00:42:04
Local clock offset: -6.508 ms
Remote clock offset: 9.307 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 80.234 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 76.796 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 79.848 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 80.936 ms
Loss rate: 0.15%
```


Run 2: Report of Sprout — Data Link

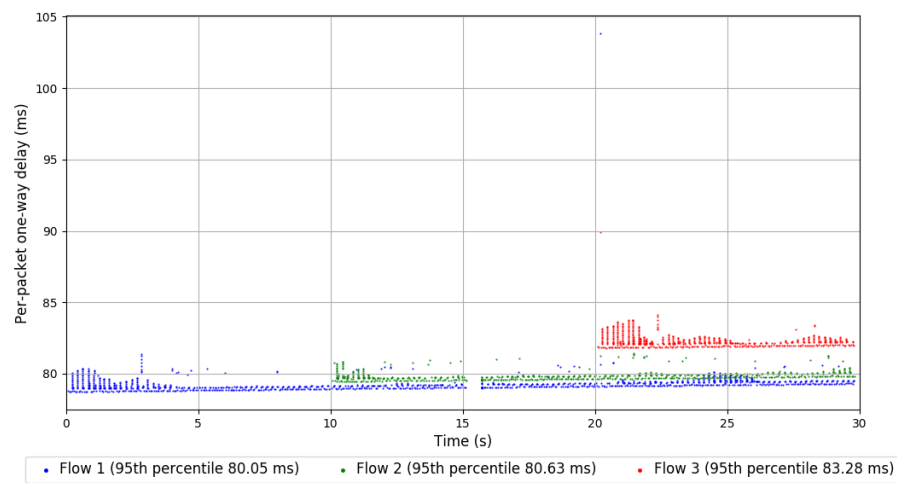
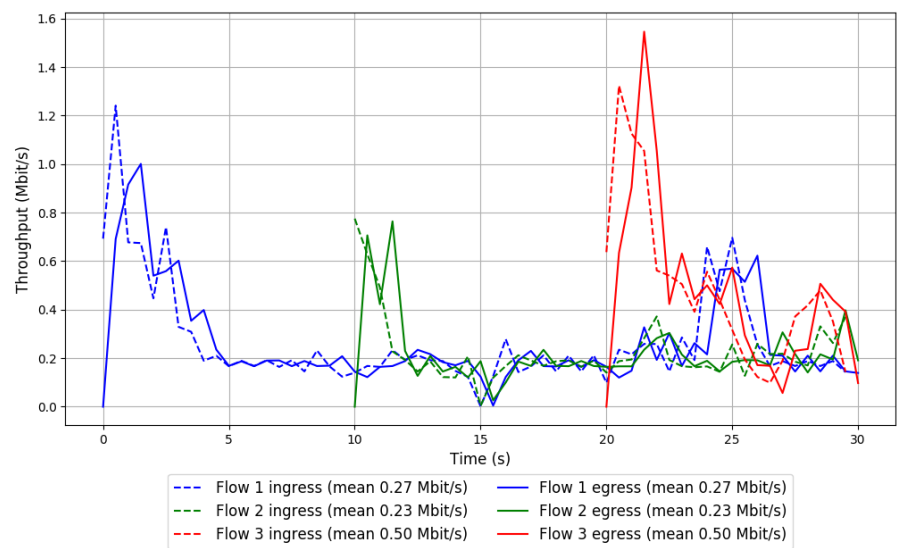


Run 3: Statistics of Sprout

Start at: 2018-08-02 01:02:38
End at: 2018-08-02 01:03:08
Local clock offset: -6.009 ms
Remote clock offset: 1.816 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 82.533 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 80.052 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 80.631 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 83.277 ms
Loss rate: 0.95%
```

Run 3: Report of Sprout — Data Link

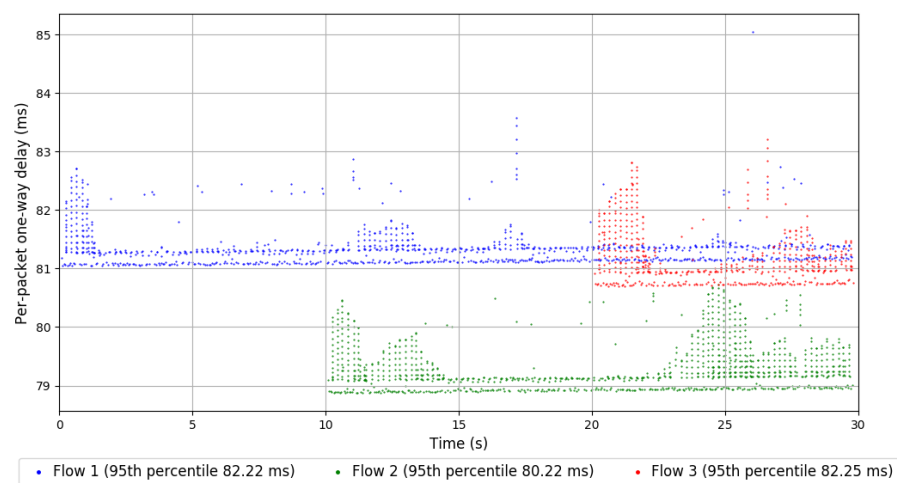
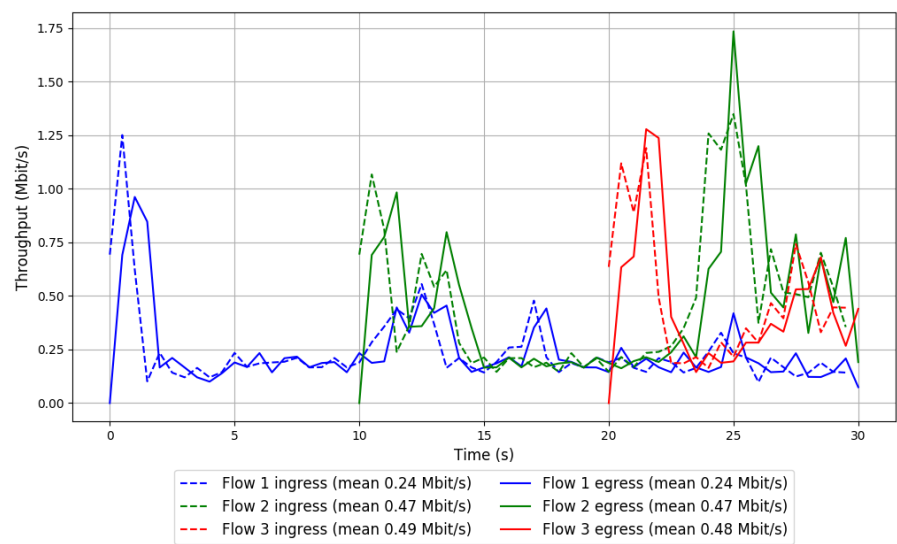


Run 4: Statistics of Sprout

Start at: 2018-08-02 01:23:52
End at: 2018-08-02 01:24:22
Local clock offset: -5.829 ms
Remote clock offset: 12.662 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 81.928 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 82.219 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 80.224 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 82.252 ms
Loss rate: 1.96%
```

Run 4: Report of Sprout — Data Link

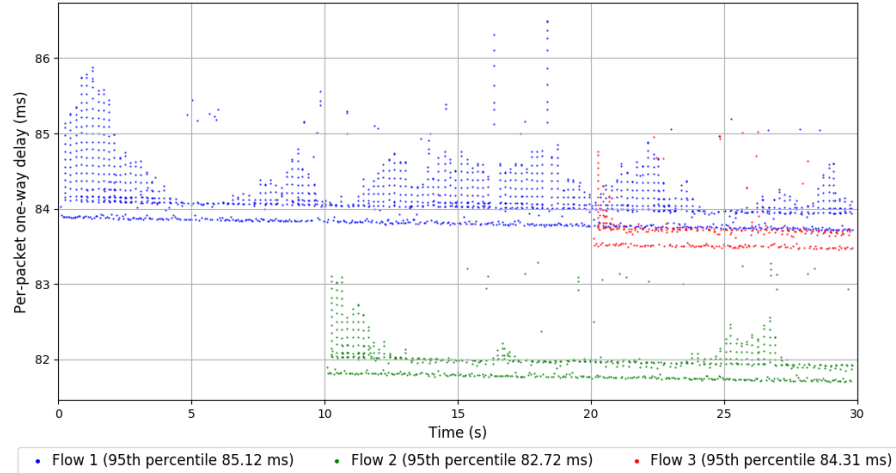
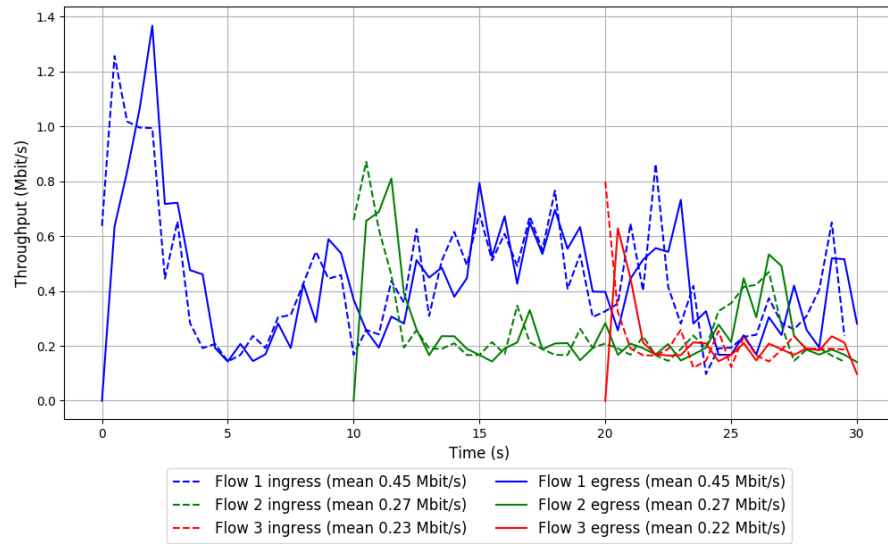


Run 5: Statistics of Sprout

Start at: 2018-08-02 01:44:54
End at: 2018-08-02 01:45:24
Local clock offset: -6.649 ms
Remote clock offset: 6.297 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 84.792 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.123 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 82.716 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.308 ms
Loss rate: 2.08%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-02 02:05:52

End at: 2018-08-02 02:06:22

Local clock offset: -6.214 ms

Remote clock offset: 2.999 ms

Below is generated by plot.py at 2018-08-02 04:00:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 84.693 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 84.924 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 84.273 ms

Loss rate: 0.76%

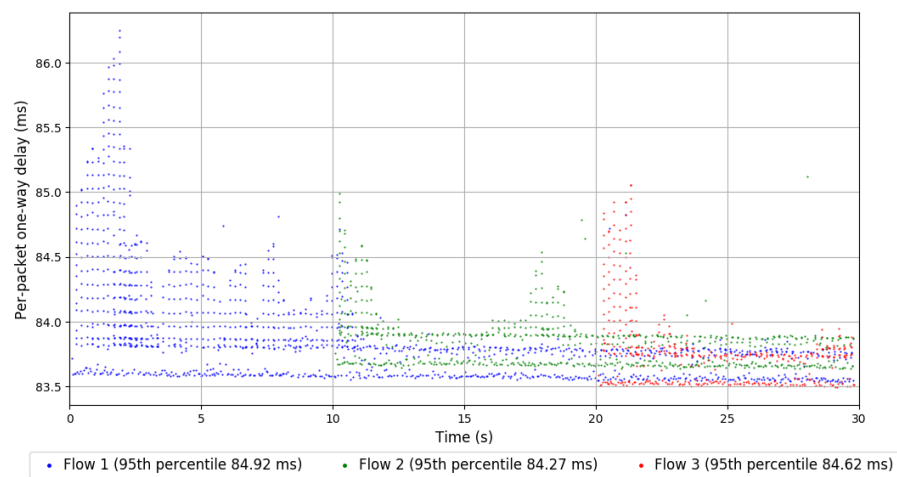
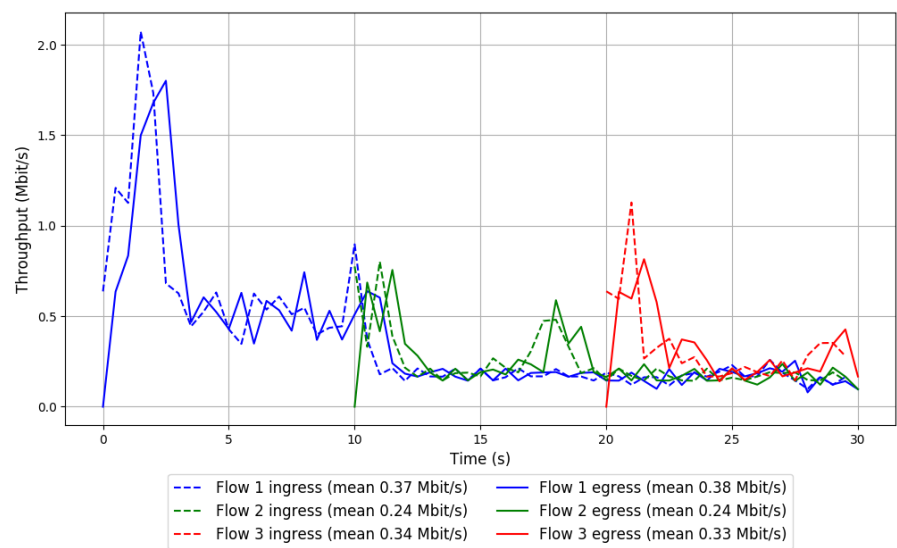
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 84.623 ms

Loss rate: 2.09%

Run 6: Report of Sprout — Data Link

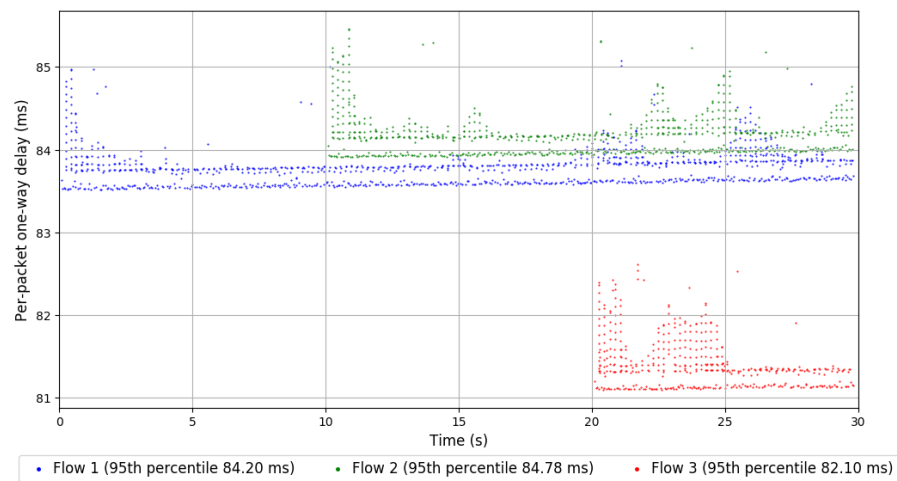
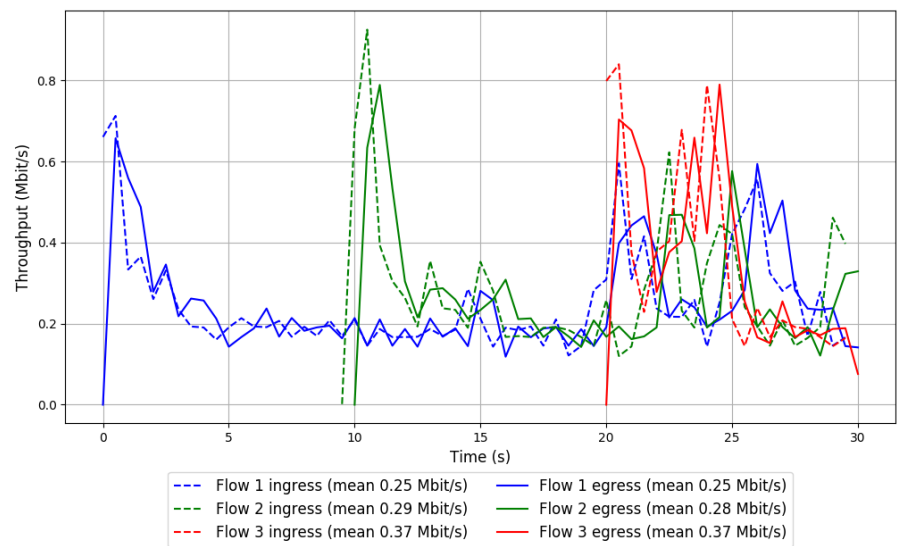


Run 7: Statistics of Sprout

Start at: 2018-08-02 02:26:58
End at: 2018-08-02 02:27:28
Local clock offset: -6.351 ms
Remote clock offset: 11.813 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 84.475 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 84.202 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 84.781 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 82.103 ms
Loss rate: 1.26%
```

Run 7: Report of Sprout — Data Link

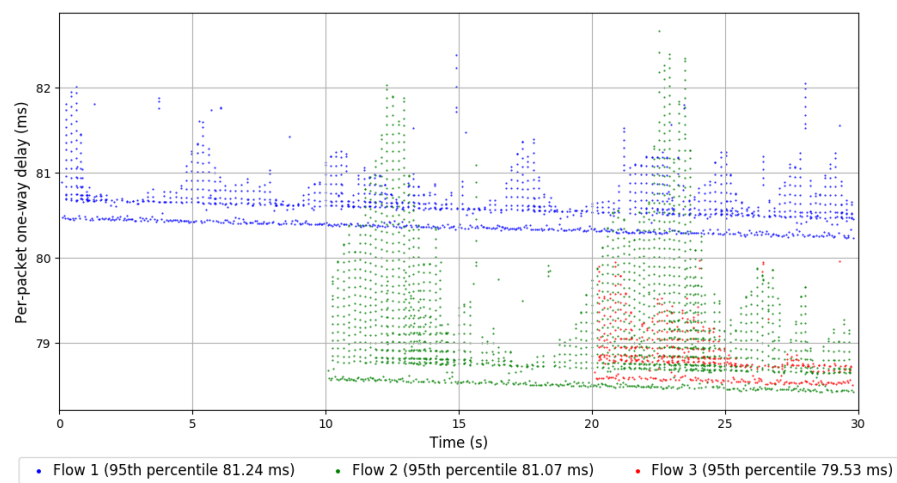
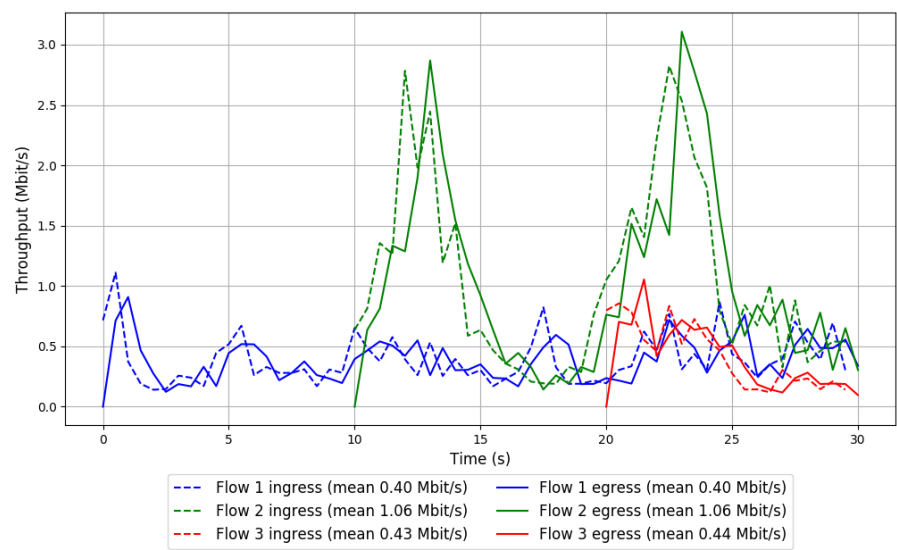


Run 8: Statistics of Sprout

Start at: 2018-08-02 02:48:04
End at: 2018-08-02 02:48:34
Local clock offset: -6.713 ms
Remote clock offset: 14.939 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 81.168 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 81.242 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 81.070 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 79.526 ms
Loss rate: 0.82%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-02 03:09:07

End at: 2018-08-02 03:09:37

Local clock offset: -7.24 ms

Remote clock offset: 7.603 ms

Below is generated by plot.py at 2018-08-02 04:00:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 85.700 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 85.164 ms

Loss rate: 3.49%

-- Flow 2:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 84.051 ms

Loss rate: 0.77%

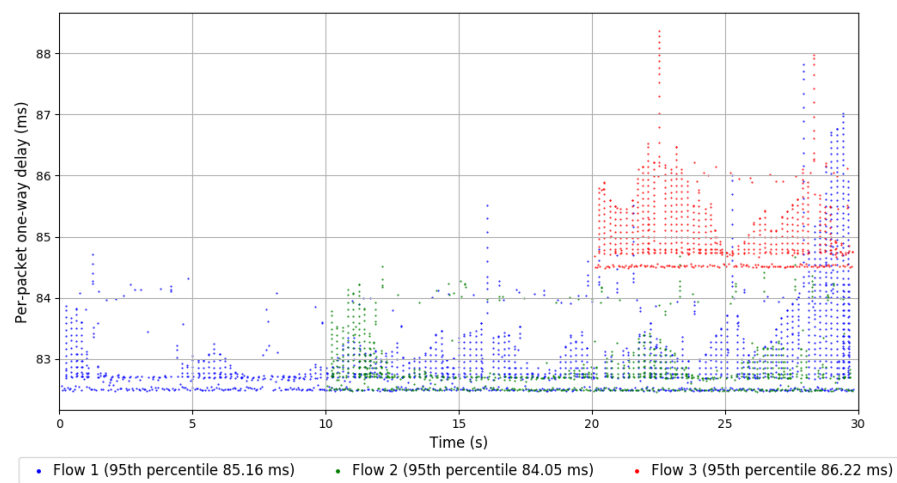
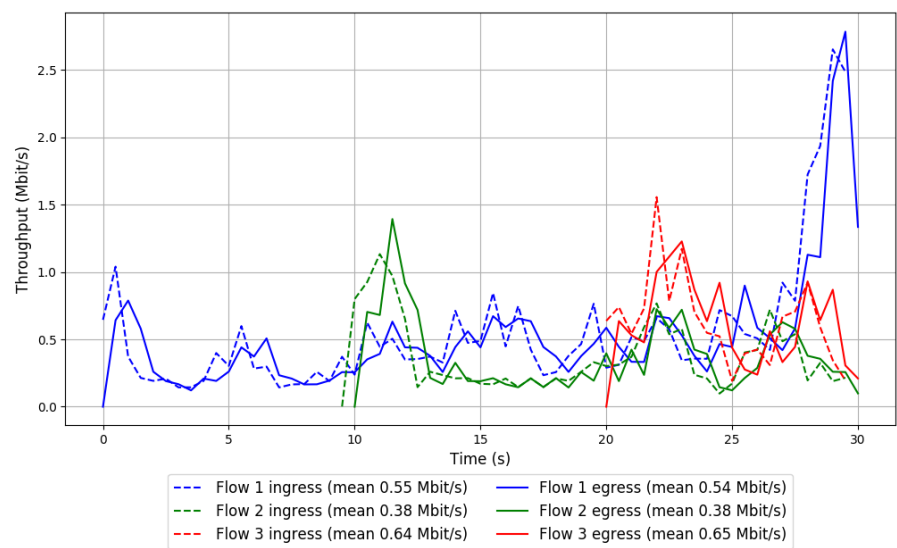
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 86.224 ms

Loss rate: 0.21%

Run 9: Report of Sprout — Data Link

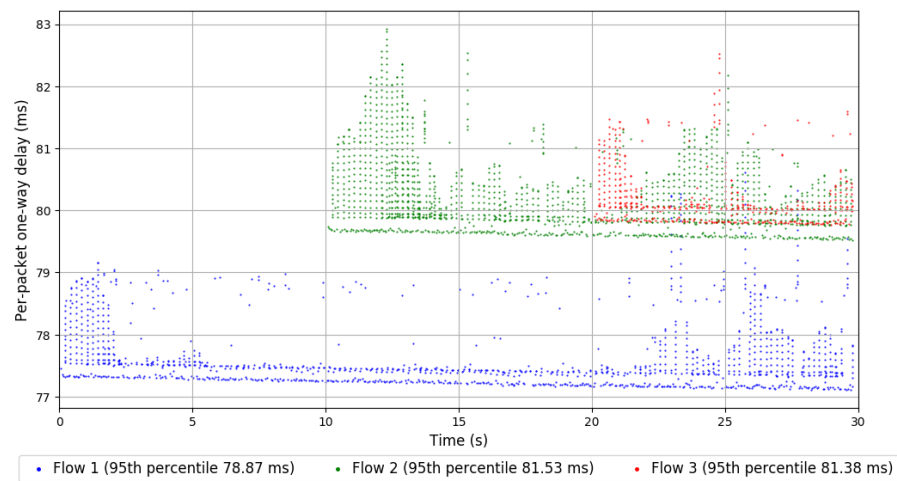
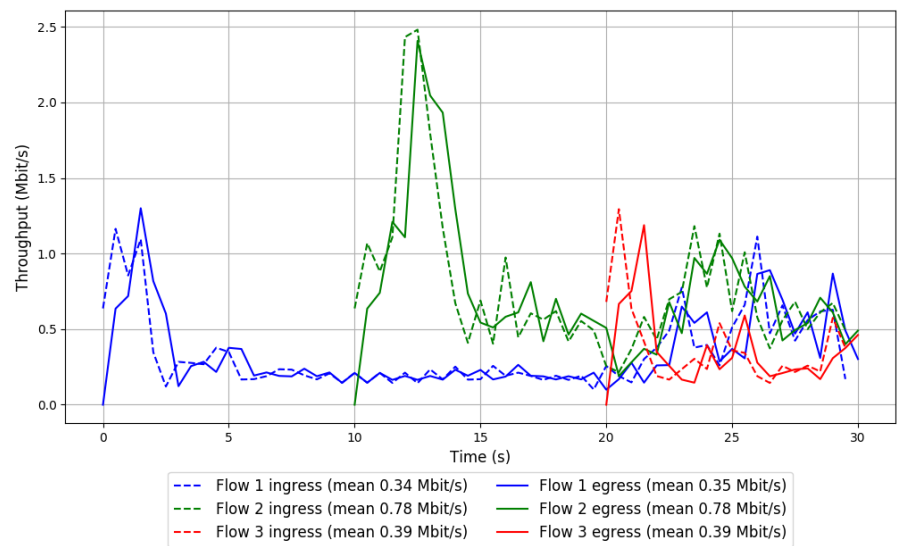


Run 10: Statistics of Sprout

Start at: 2018-08-02 03:30:23
End at: 2018-08-02 03:30:53
Local clock offset: -7.288 ms
Remote clock offset: 5.489 ms

```
# Below is generated by plot.py at 2018-08-02 04:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 81.286 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 78.868 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 81.527 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 81.375 ms
Loss rate: 1.54%
```


Run 10: Report of Sprout — Data Link

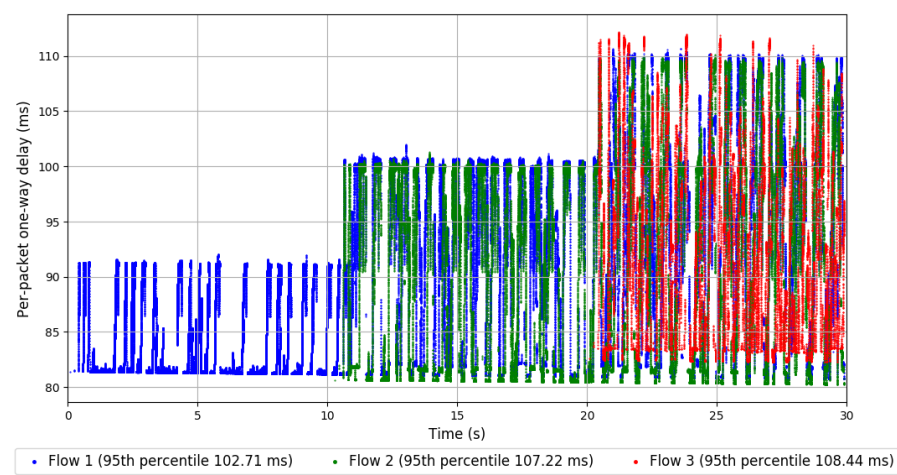
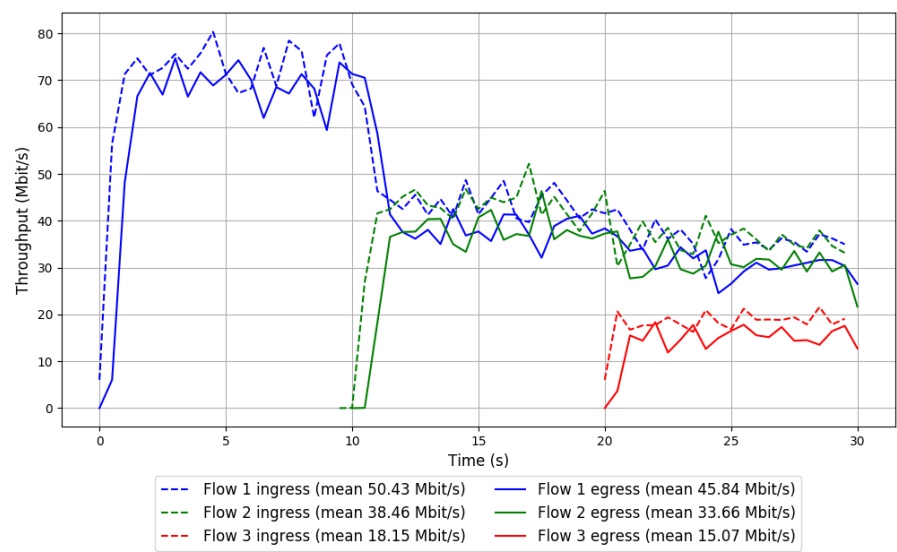


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-02 00:30:07
End at: 2018-08-02 00:30:37
Local clock offset: -6.106 ms
Remote clock offset: 14.673 ms

# Below is generated by plot.py at 2018-08-02 04:02:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.93 Mbit/s
95th percentile per-packet one-way delay: 105.212 ms
Loss rate: 11.65%
-- Flow 1:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 102.707 ms
Loss rate: 9.60%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 107.215 ms
Loss rate: 14.09%
-- Flow 3:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 108.435 ms
Loss rate: 18.41%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-02 00:51:25

End at: 2018-08-02 00:51:55

Local clock offset: -6.661 ms

Remote clock offset: 4.625 ms

Below is generated by plot.py at 2018-08-02 04:02:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 107.781 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 49.16 Mbit/s

95th percentile per-packet one-way delay: 105.910 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 37.48 Mbit/s

95th percentile per-packet one-way delay: 108.941 ms

Loss rate: 0.95%

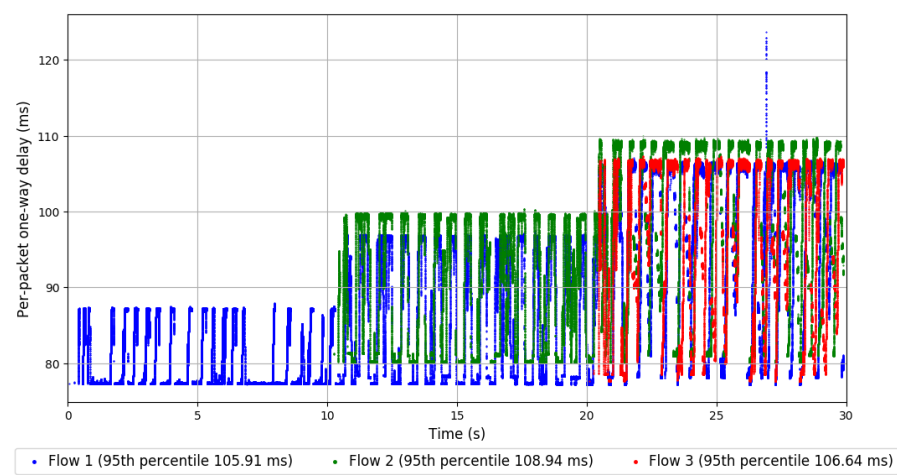
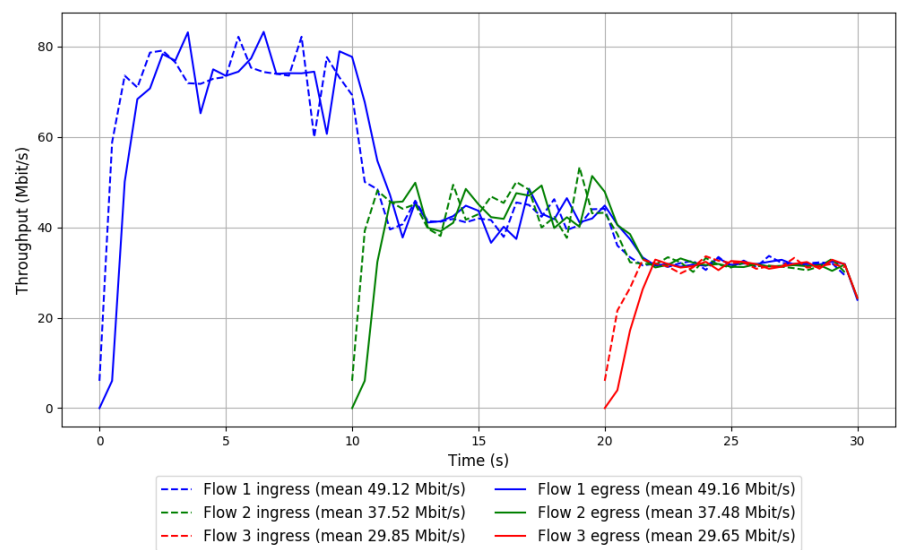
-- Flow 3:

Average throughput: 29.65 Mbit/s

95th percentile per-packet one-way delay: 106.639 ms

Loss rate: 2.31%

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

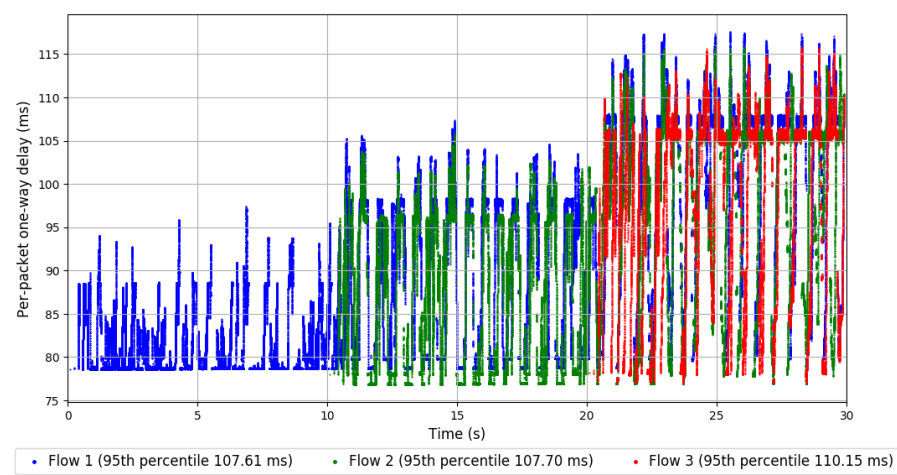
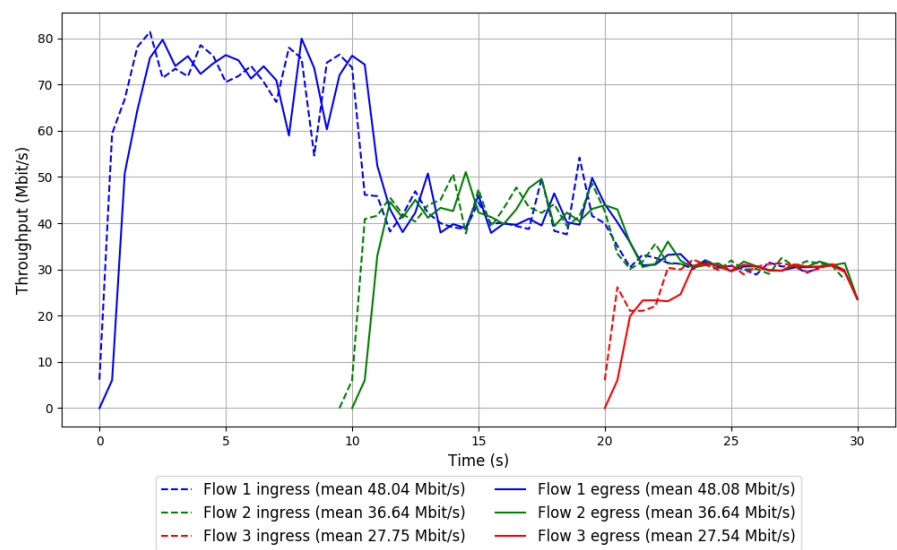


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-02 01:12:38
End at: 2018-08-02 01:13:08
Local clock offset: -5.847 ms
Remote clock offset: 11.846 ms

Below is generated by plot.py at 2018-08-02 04:02:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.49 Mbit/s
95th percentile per-packet one-way delay: 107.756 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 107.612 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 107.698 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 110.147 ms
Loss rate: 2.50%

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

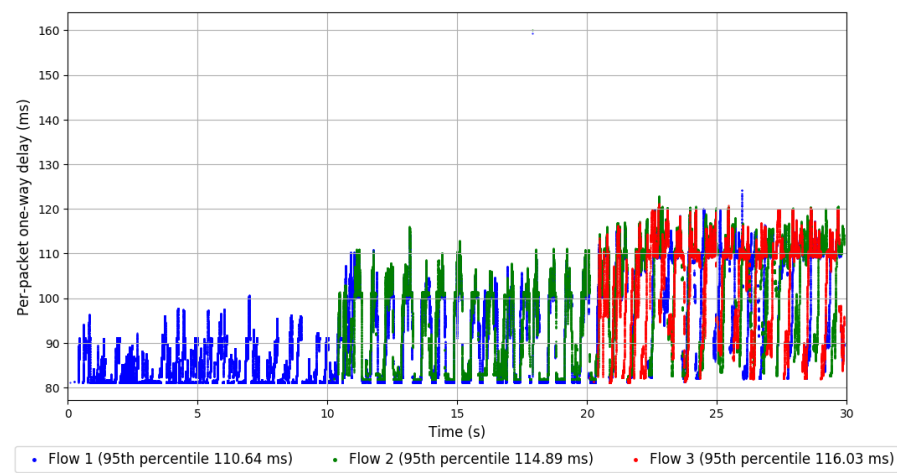
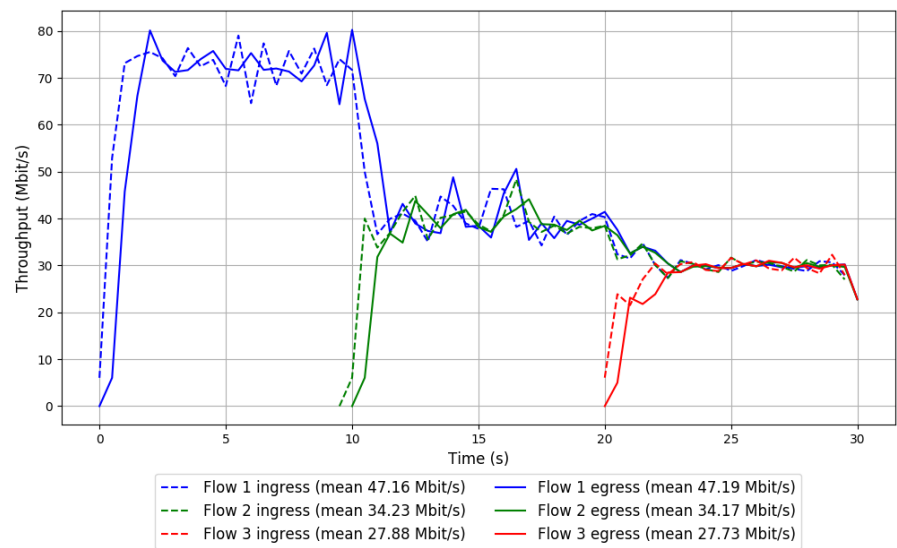


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-02 01:33:43
End at: 2018-08-02 01:34:13
Local clock offset: -6.391 ms
Remote clock offset: 13.738 ms

Below is generated by plot.py at 2018-08-02 04:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 113.798 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 110.641 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 114.895 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 116.027 ms
Loss rate: 2.36%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-02 01:54:42

End at: 2018-08-02 01:55:12

Local clock offset: -6.557 ms

Remote clock offset: 8.974 ms

Below is generated by plot.py at 2018-08-02 04:02:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 106.875 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 43.36 Mbit/s

95th percentile per-packet one-way delay: 97.410 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 107.584 ms

Loss rate: 0.94%

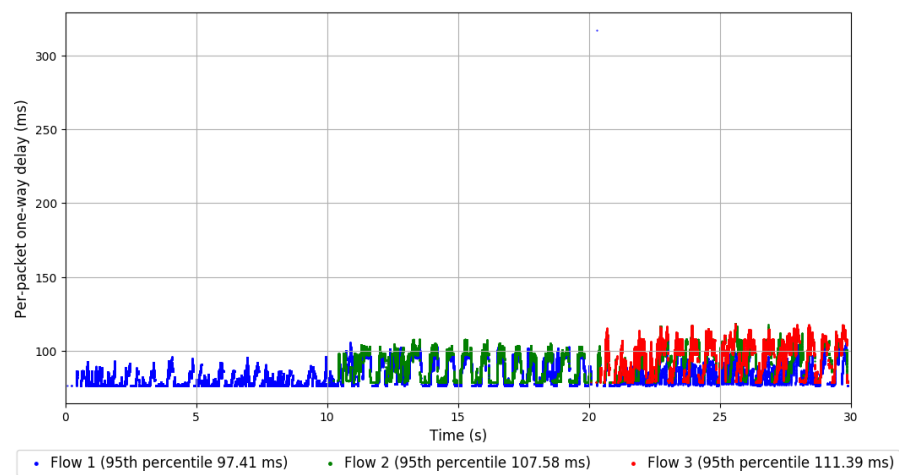
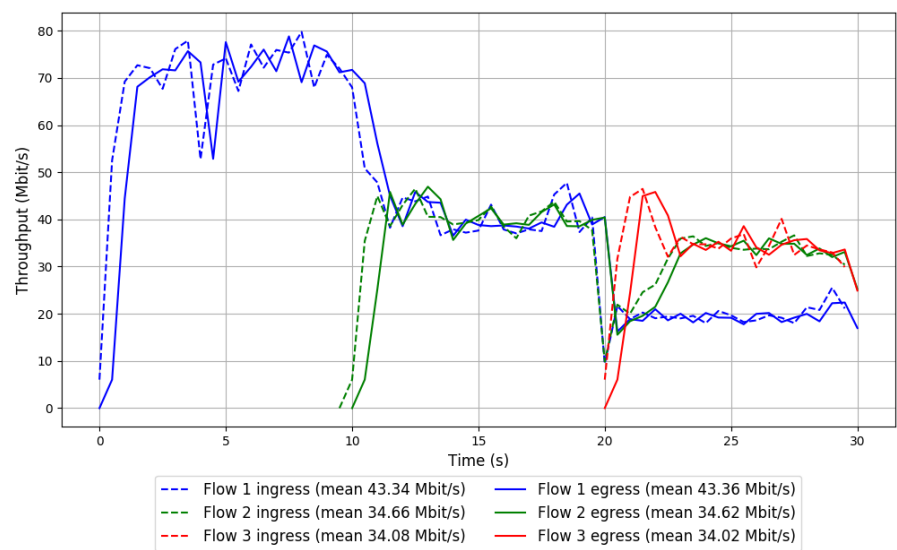
-- Flow 3:

Average throughput: 34.02 Mbit/s

95th percentile per-packet one-way delay: 111.395 ms

Loss rate: 1.83%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-02 02:15:46

End at: 2018-08-02 02:16:16

Local clock offset: -6.027 ms

Remote clock offset: 6.345 ms

Below is generated by plot.py at 2018-08-02 04:02:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.88 Mbit/s

95th percentile per-packet one-way delay: 114.154 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 47.53 Mbit/s

95th percentile per-packet one-way delay: 113.985 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 114.013 ms

Loss rate: 0.96%

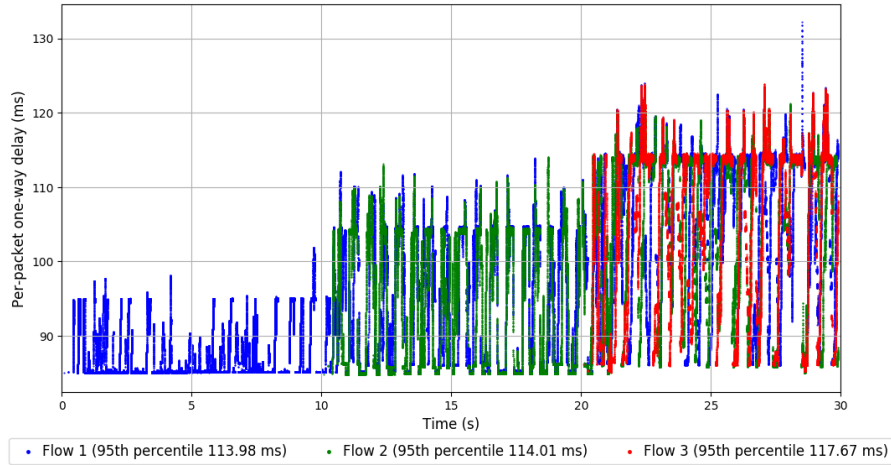
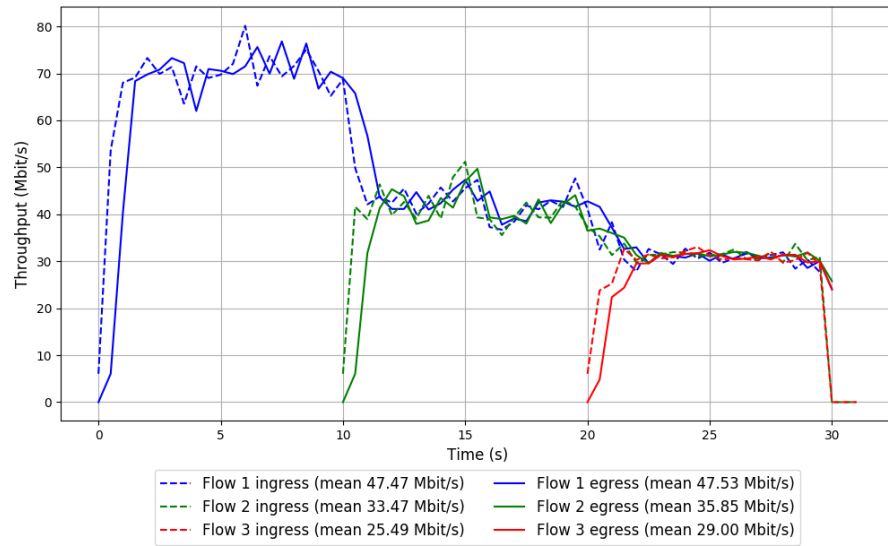
-- Flow 3:

Average throughput: 29.00 Mbit/s

95th percentile per-packet one-way delay: 117.675 ms

Loss rate: 2.33%

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

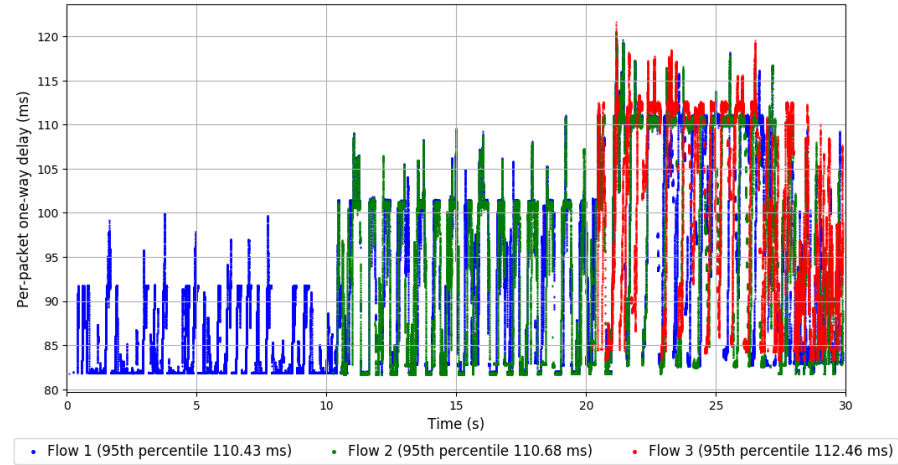
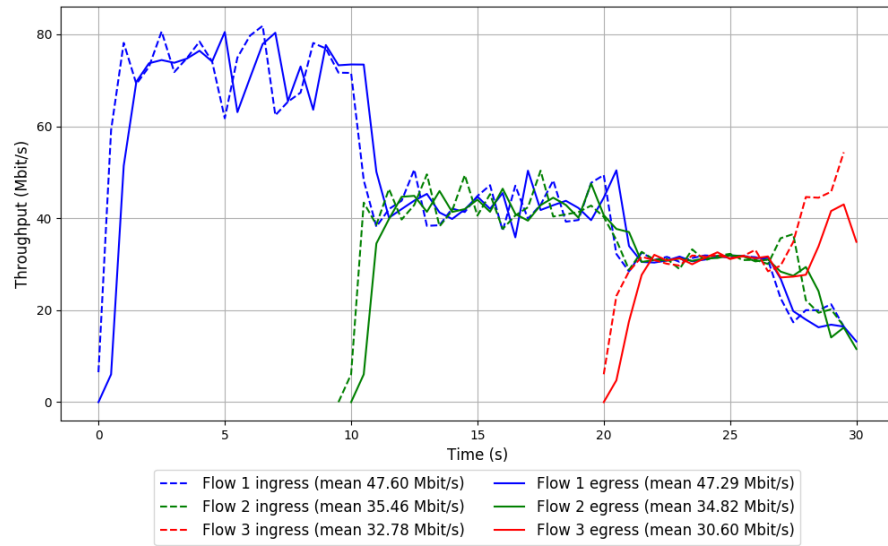


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-02 02:36:48
End at: 2018-08-02 02:37:18
Local clock offset: -6.654 ms
Remote clock offset: 13.466 ms

Below is generated by plot.py at 2018-08-02 04:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 111.305 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 110.431 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 110.676 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 112.462 ms
Loss rate: 8.31%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-02 02:57:55

End at: 2018-08-02 02:58:25

Local clock offset: -6.967 ms

Remote clock offset: 9.506 ms

Below is generated by plot.py at 2018-08-02 04:02:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 112.647 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 48.88 Mbit/s

95th percentile per-packet one-way delay: 110.490 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 36.44 Mbit/s

95th percentile per-packet one-way delay: 112.980 ms

Loss rate: 0.97%

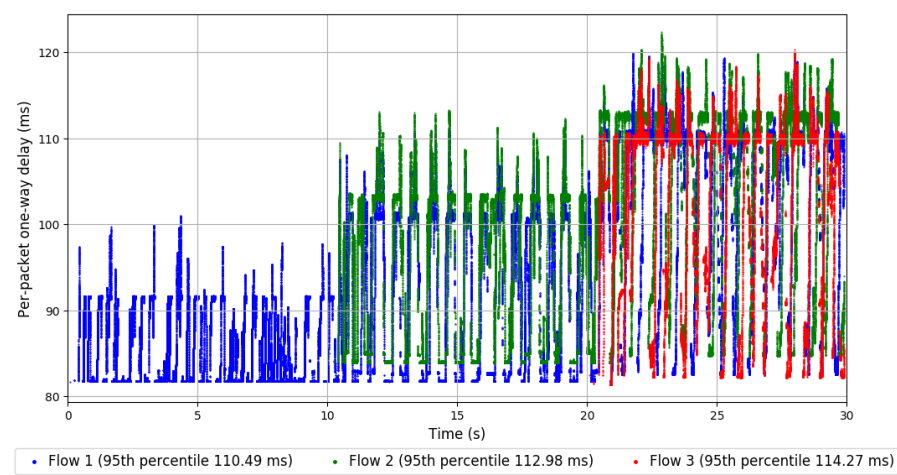
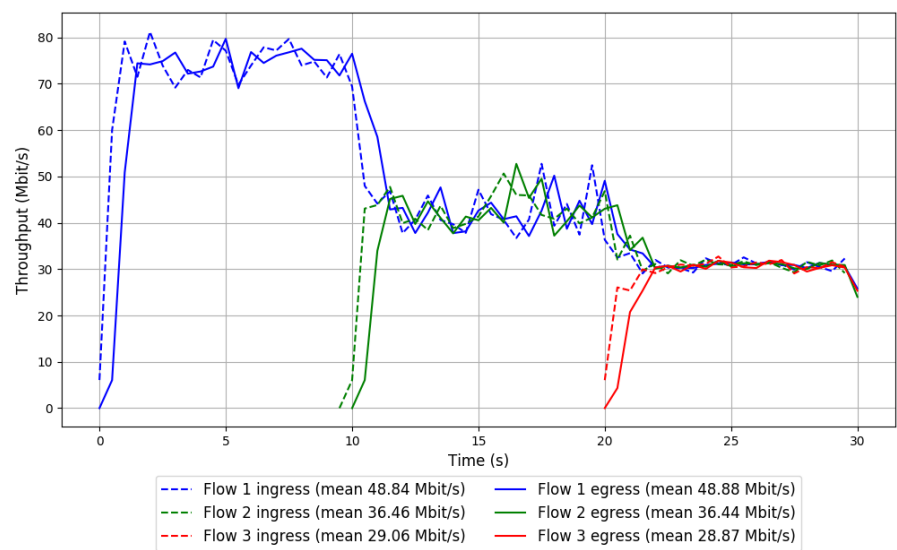
-- Flow 3:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 114.268 ms

Loss rate: 2.29%

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

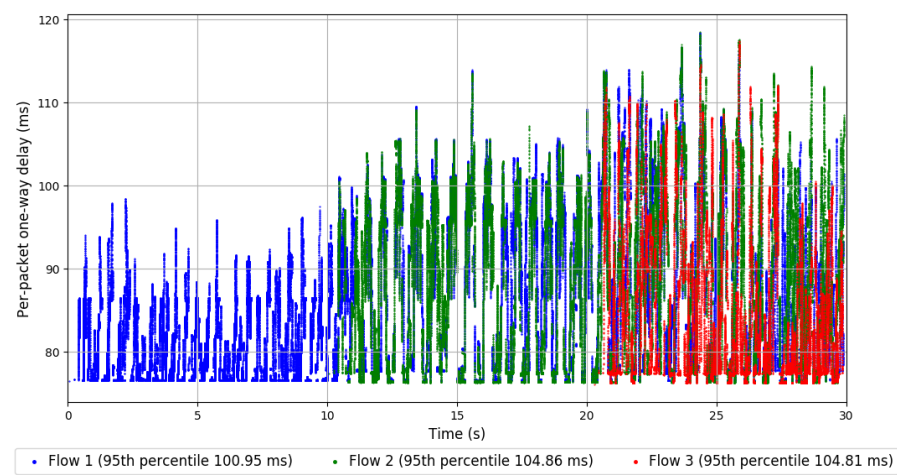
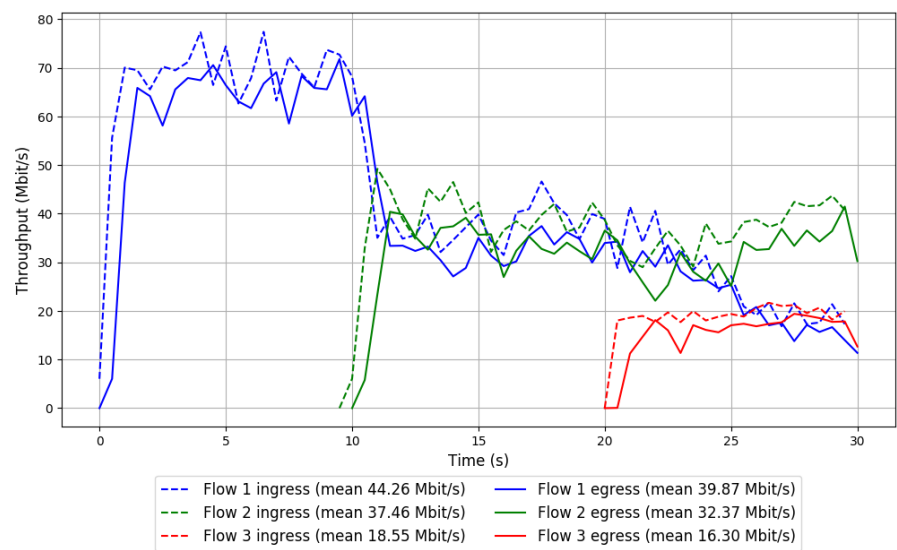


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-02 03:18:56
End at: 2018-08-02 03:19:26
Local clock offset: -7.399 ms
Remote clock offset: 13.333 ms

Below is generated by plot.py at 2018-08-02 04:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.61 Mbit/s
95th percentile per-packet one-way delay: 103.104 ms
Loss rate: 12.11%
-- Flow 1:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 100.946 ms
Loss rate: 10.39%
-- Flow 2:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 104.856 ms
Loss rate: 14.33%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 104.814 ms
Loss rate: 15.47%

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

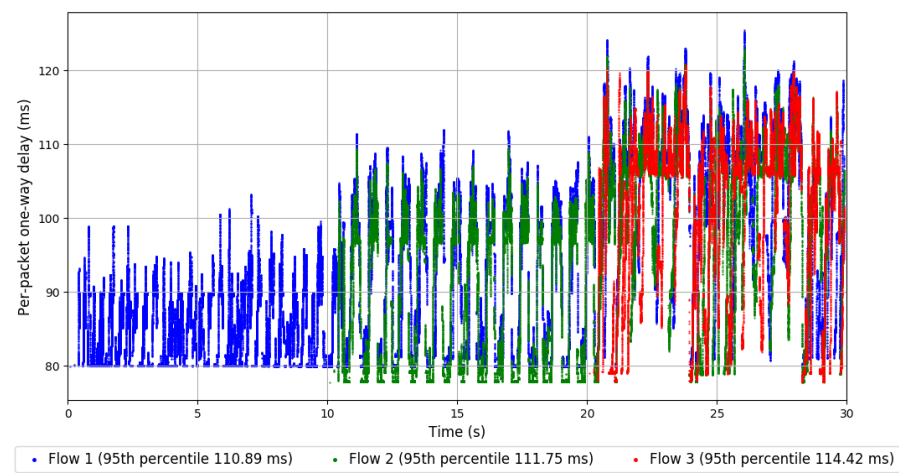
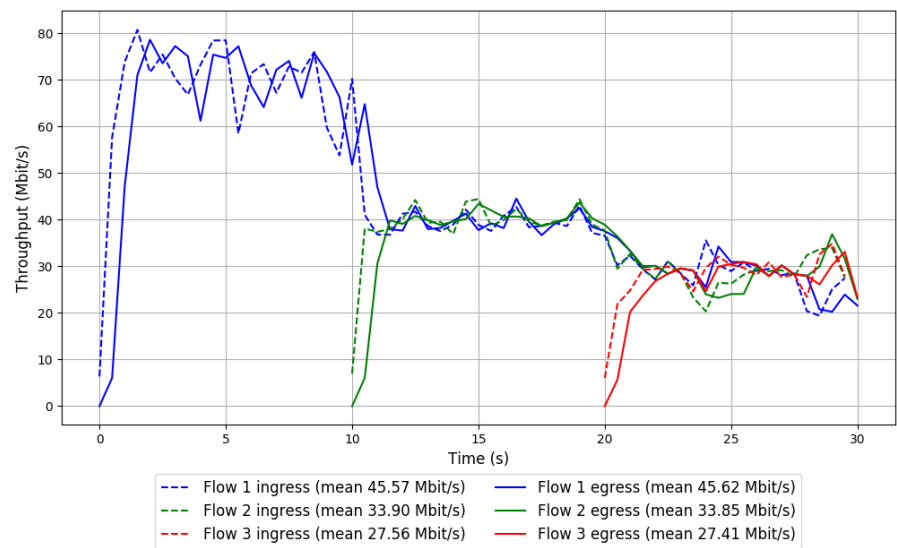


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-02 03:40:13
End at: 2018-08-02 03:40:43
Local clock offset: -7.242 ms
Remote clock offset: 2.19 ms

# Below is generated by plot.py at 2018-08-02 04:03:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 112.012 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 110.895 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 111.746 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 27.41 Mbit/s
95th percentile per-packet one-way delay: 114.423 ms
Loss rate: 2.33%
```

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

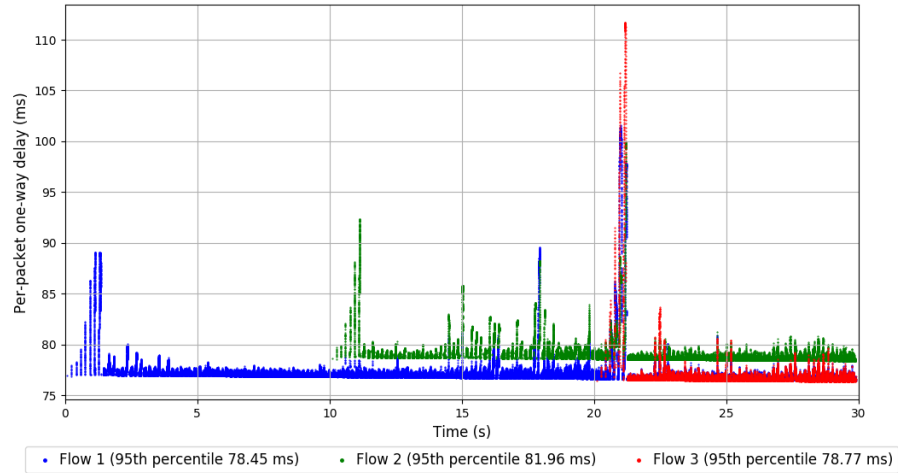
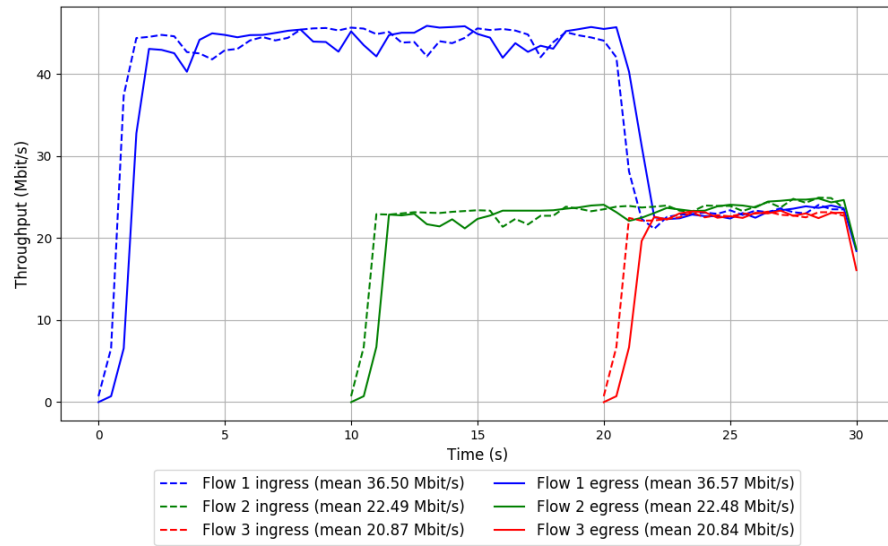


Run 1: Statistics of TCP Vegas

Start at: 2018-08-02 00:31:36
End at: 2018-08-02 00:32:06
Local clock offset: -6.163 ms
Remote clock offset: 17.142 ms

Below is generated by plot.py at 2018-08-02 04:03:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 80.228 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 78.454 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 81.962 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 78.772 ms
Loss rate: 1.83%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-02 00:52:44

End at: 2018-08-02 00:53:14

Local clock offset: -6.641 ms

Remote clock offset: 0.371 ms

Below is generated by plot.py at 2018-08-02 04:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.66 Mbit/s

95th percentile per-packet one-way delay: 88.308 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 33.11 Mbit/s

95th percentile per-packet one-way delay: 87.257 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: 84.201 ms

Loss rate: 0.92%

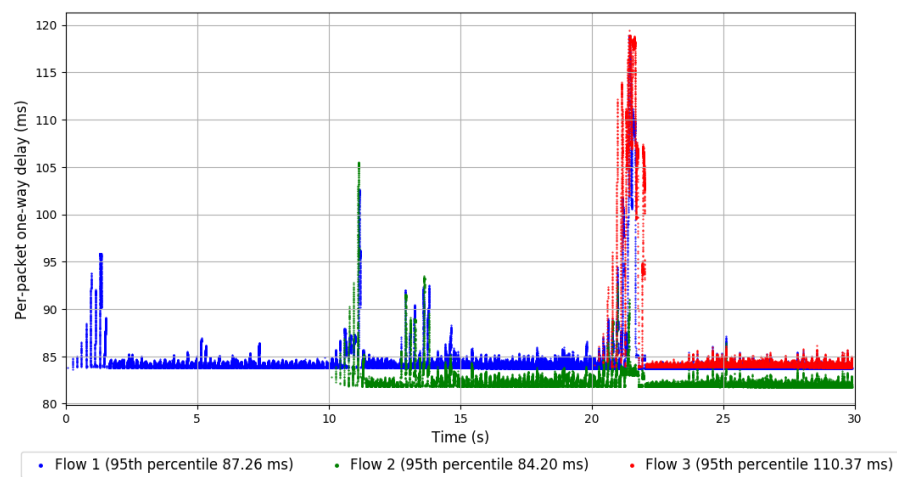
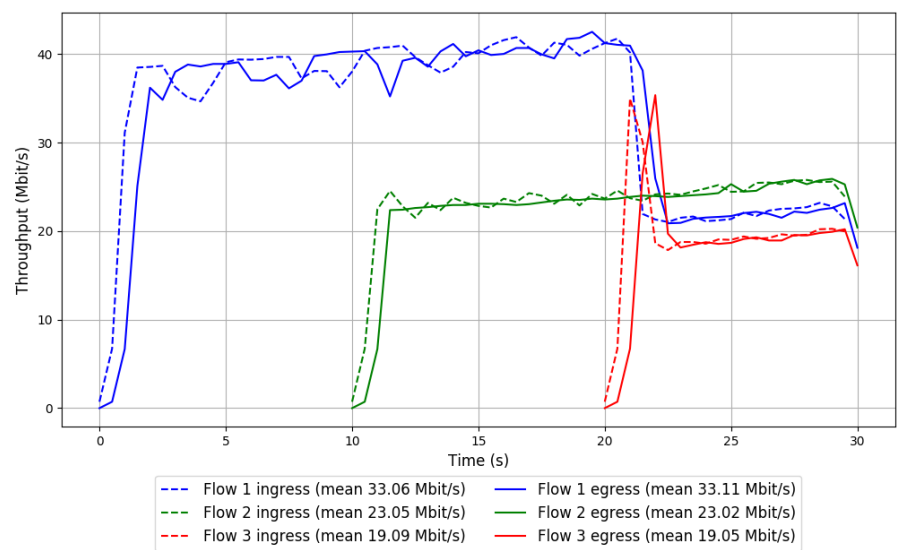
-- Flow 3:

Average throughput: 19.05 Mbit/s

95th percentile per-packet one-way delay: 110.371 ms

Loss rate: 1.85%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-02 01:13:56

End at: 2018-08-02 01:14:27

Local clock offset: -5.776 ms

Remote clock offset: 7.392 ms

Below is generated by plot.py at 2018-08-02 04:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.08 Mbit/s

95th percentile per-packet one-way delay: 86.420 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 85.052 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 87.904 ms

Loss rate: 0.92%

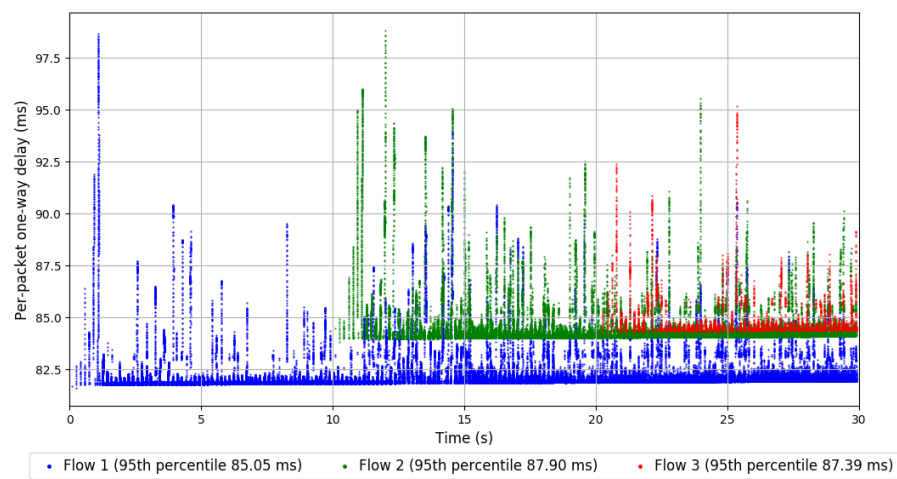
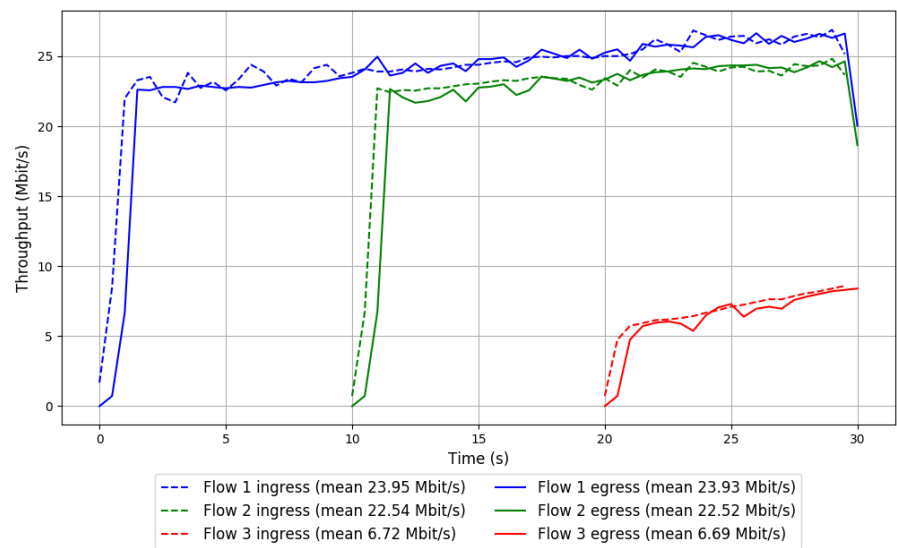
-- Flow 3:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 87.391 ms

Loss rate: 2.15%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-02 01:35:02

End at: 2018-08-02 01:35:32

Local clock offset: -6.438 ms

Remote clock offset: 10.41 ms

Below is generated by plot.py at 2018-08-02 04:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 94.921 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 85.958 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 27.26 Mbit/s

95th percentile per-packet one-way delay: 99.261 ms

Loss rate: 0.40%

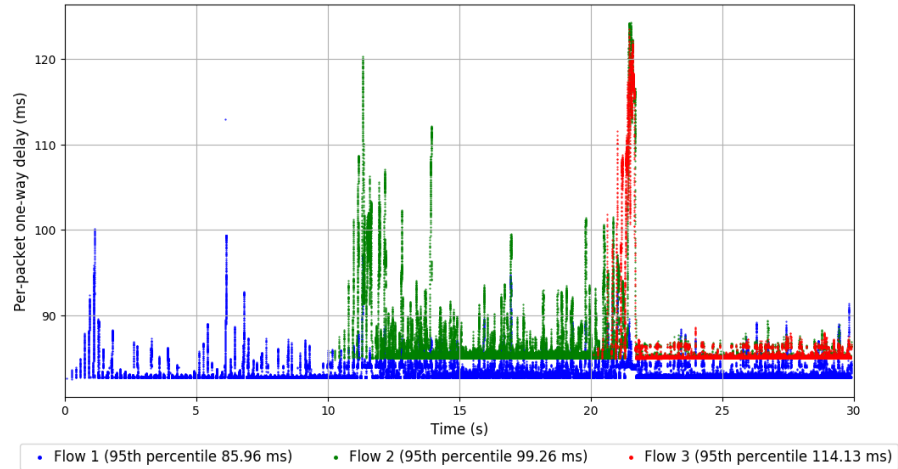
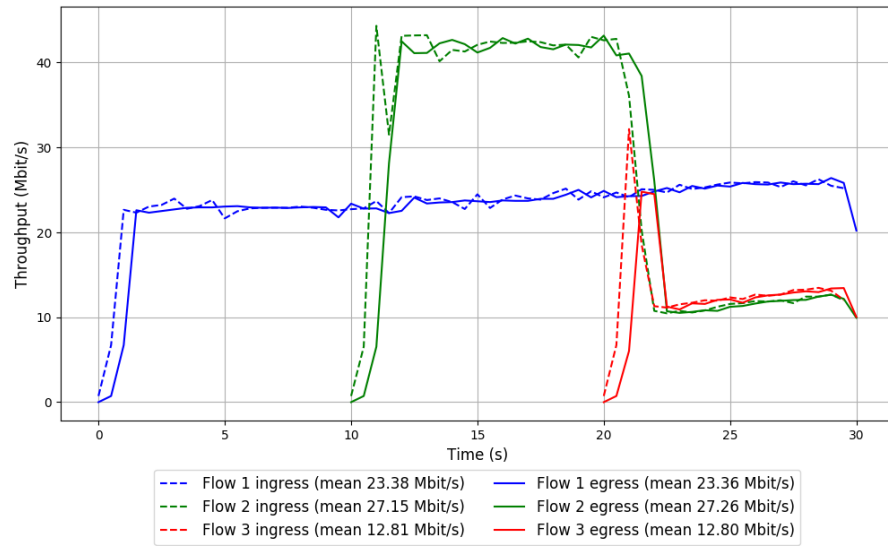
-- Flow 3:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 114.132 ms

Loss rate: 1.78%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-02 01:56:01

End at: 2018-08-02 01:56:31

Local clock offset: -6.495 ms

Remote clock offset: 3.992 ms

Below is generated by plot.py at 2018-08-02 04:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 87.269 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 85.515 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 83.636 ms

Loss rate: 1.30%

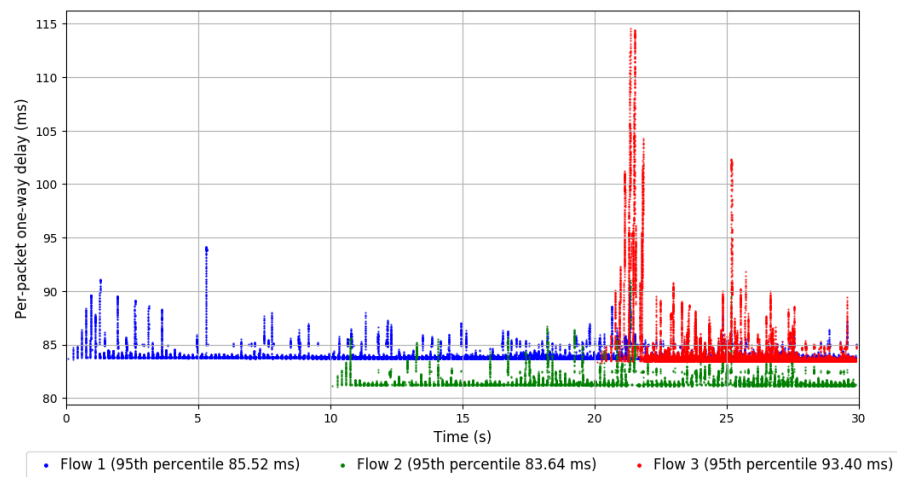
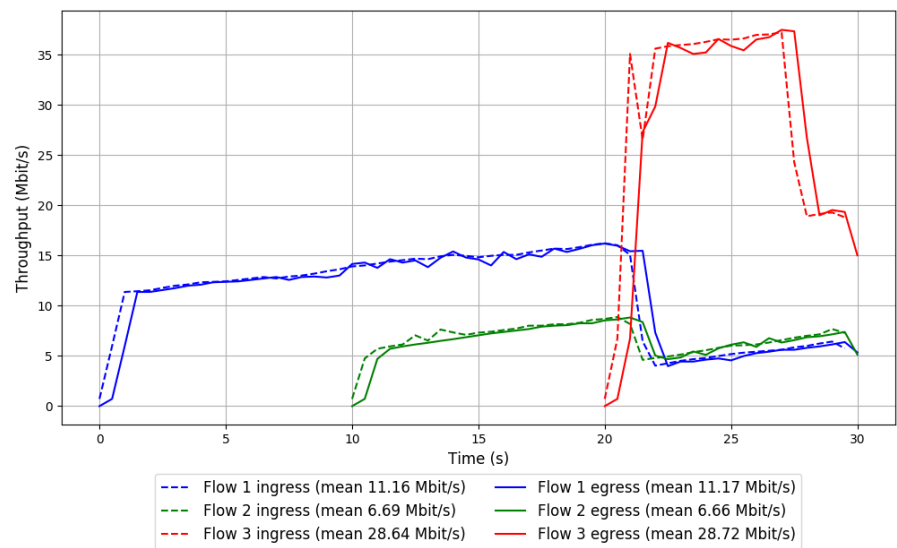
-- Flow 3:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 93.396 ms

Loss rate: 1.37%

Run 5: Report of TCP Vegas — Data Link

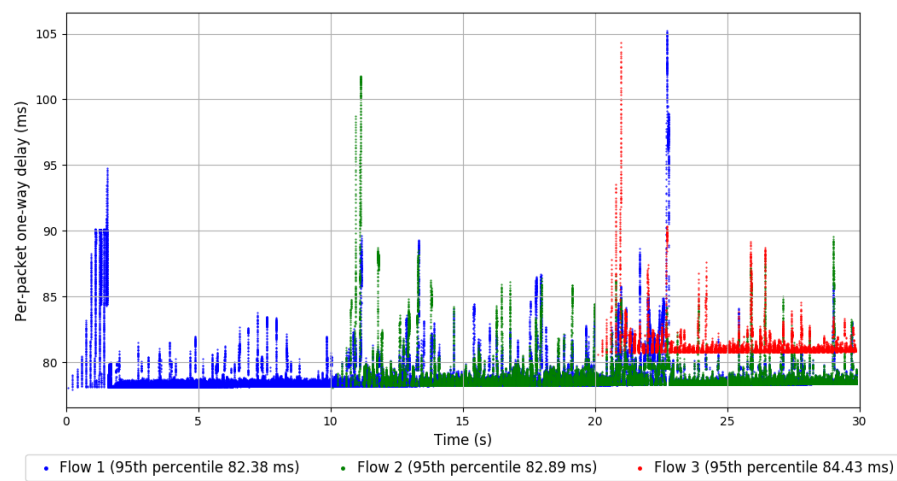
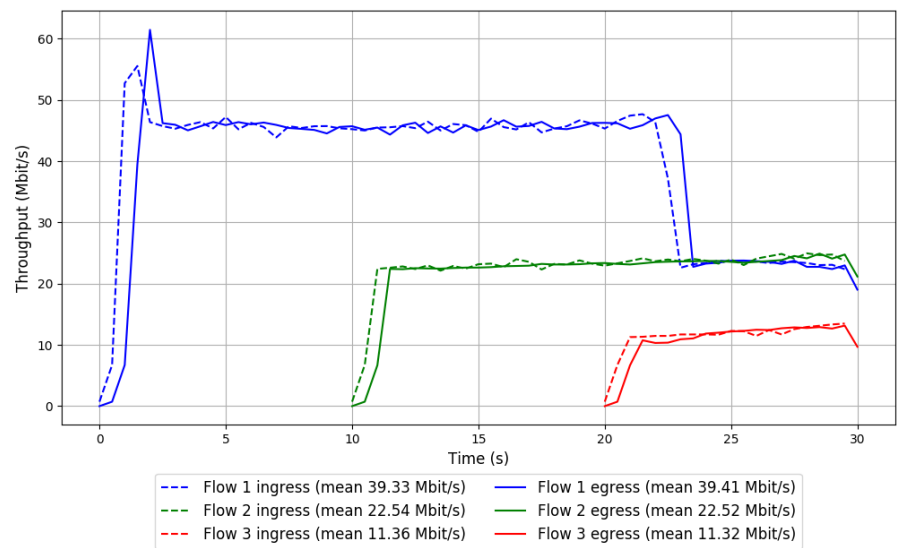


Run 6: Statistics of TCP Vegas

Start at: 2018-08-02 02:17:05
End at: 2018-08-02 02:17:35
Local clock offset: -6.02 ms
Remote clock offset: 11.994 ms

Below is generated by plot.py at 2018-08-02 04:03:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 82.725 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 82.381 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 82.890 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 84.427 ms
Loss rate: 2.02%

Run 6: Report of TCP Vegas — Data Link

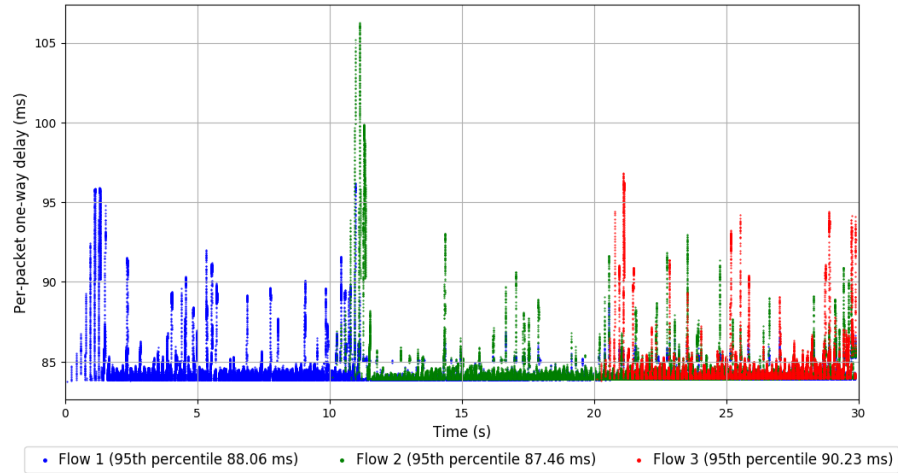
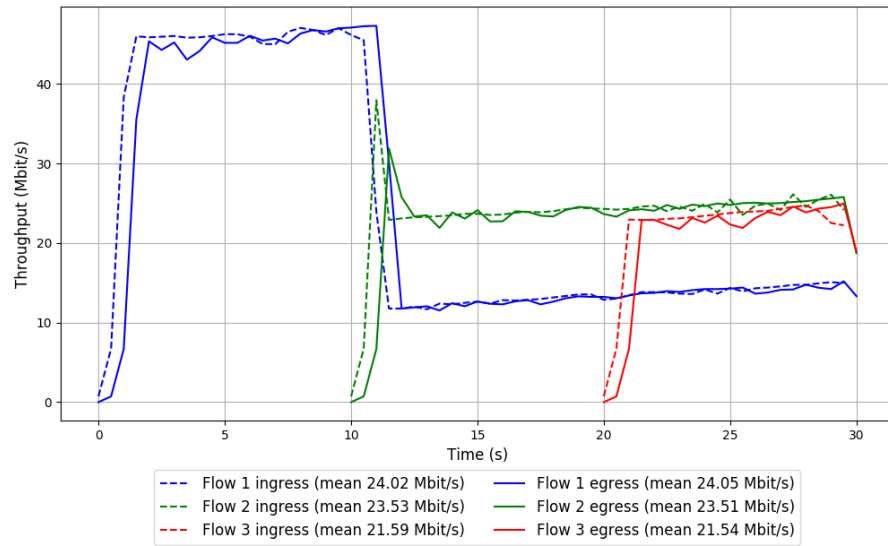


Run 7: Statistics of TCP Vegas

Start at: 2018-08-02 02:38:07
End at: 2018-08-02 02:38:37
Local clock offset: -6.629 ms
Remote clock offset: 13.653 ms

Below is generated by plot.py at 2018-08-02 04:03:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 88.237 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 88.064 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 87.460 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 90.234 ms
Loss rate: 1.91%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-02 02:59:13

End at: 2018-08-02 02:59:43

Local clock offset: -7.044 ms

Remote clock offset: 8.252 ms

Below is generated by plot.py at 2018-08-02 04:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.61 Mbit/s

95th percentile per-packet one-way delay: 96.910 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 87.103 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 29.00 Mbit/s

95th percentile per-packet one-way delay: 98.395 ms

Loss rate: 0.64%

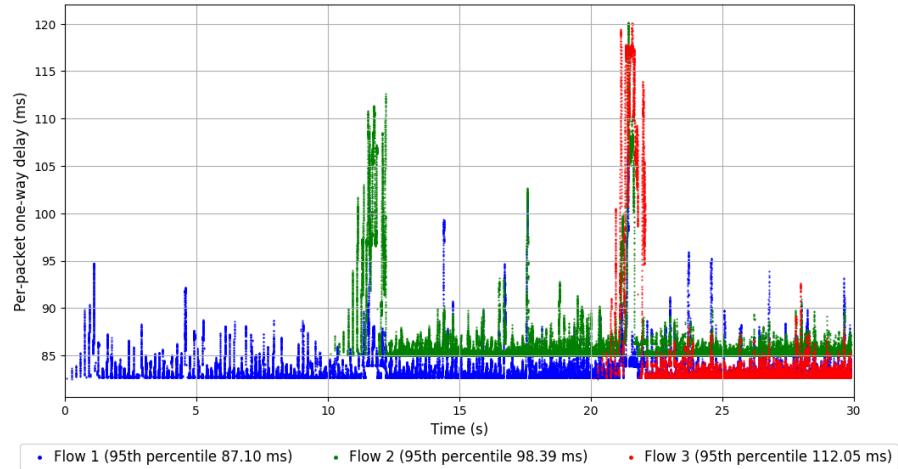
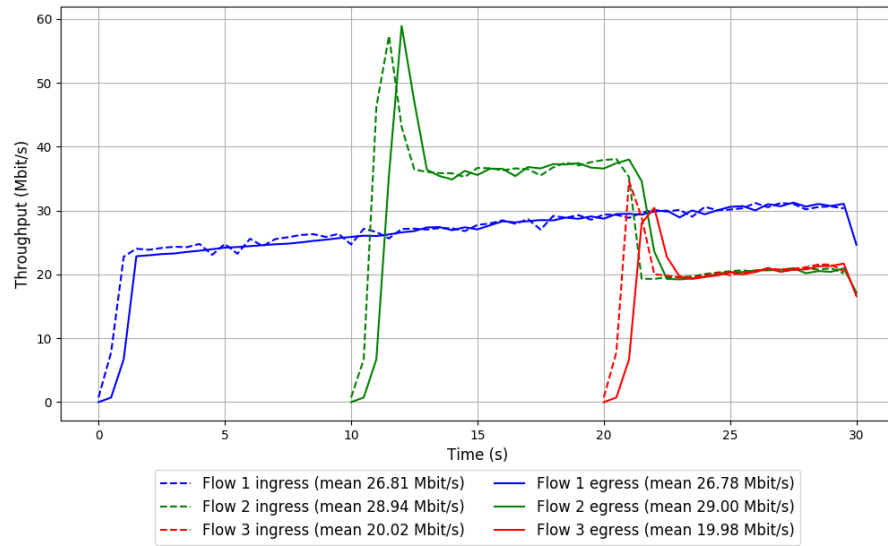
-- Flow 3:

Average throughput: 19.98 Mbit/s

95th percentile per-packet one-way delay: 112.051 ms

Loss rate: 1.85%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-02 03:20:16

End at: 2018-08-02 03:20:46

Local clock offset: -7.401 ms

Remote clock offset: 7.392 ms

Below is generated by plot.py at 2018-08-02 04:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.47 Mbit/s

95th percentile per-packet one-way delay: 94.032 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 90.469 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 30.71 Mbit/s

95th percentile per-packet one-way delay: 100.338 ms

Loss rate: 0.67%

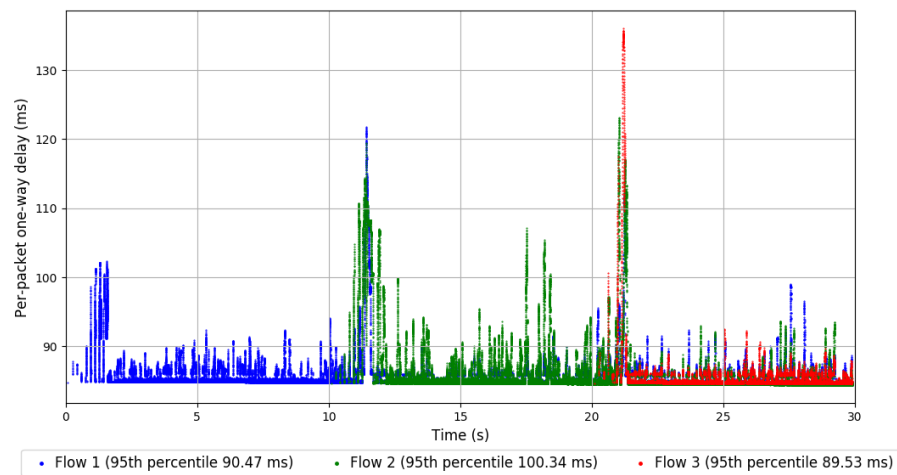
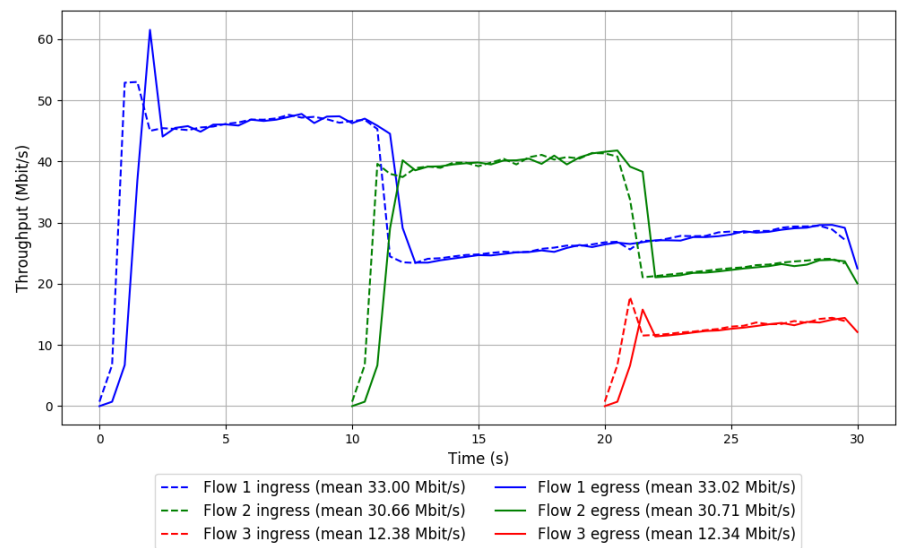
-- Flow 3:

Average throughput: 12.34 Mbit/s

95th percentile per-packet one-way delay: 89.528 ms

Loss rate: 1.97%

Run 9: Report of TCP Vegas — Data Link

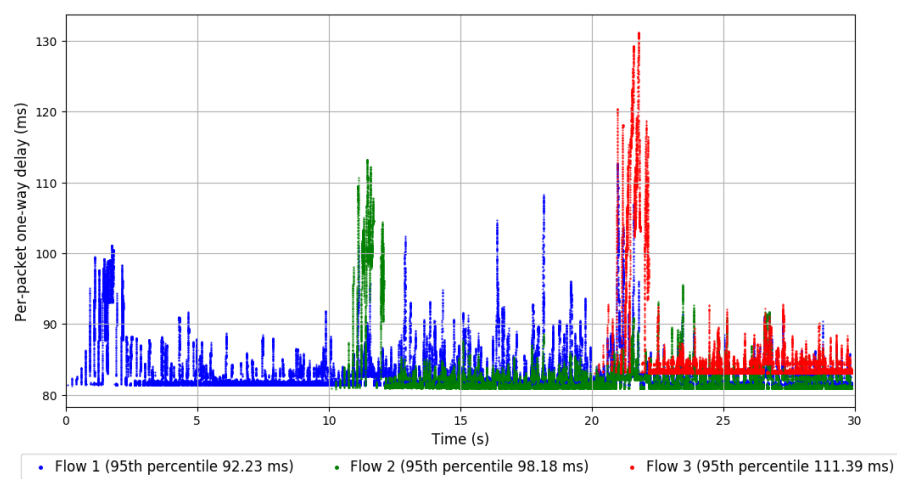
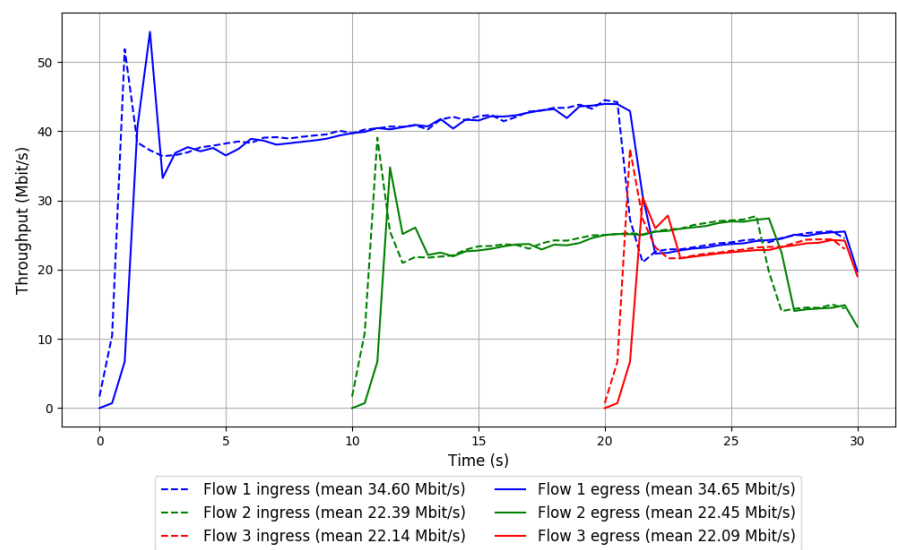


Run 10: Statistics of TCP Vegas

Start at: 2018-08-02 03:41:30
End at: 2018-08-02 03:42:00
Local clock offset: -7.262 ms
Remote clock offset: -1.715 ms

Below is generated by plot.py at 2018-08-02 04:03:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 94.293 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 92.230 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 98.181 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 111.387 ms
Loss rate: 1.90%

Run 10: Report of TCP Vegas — Data Link

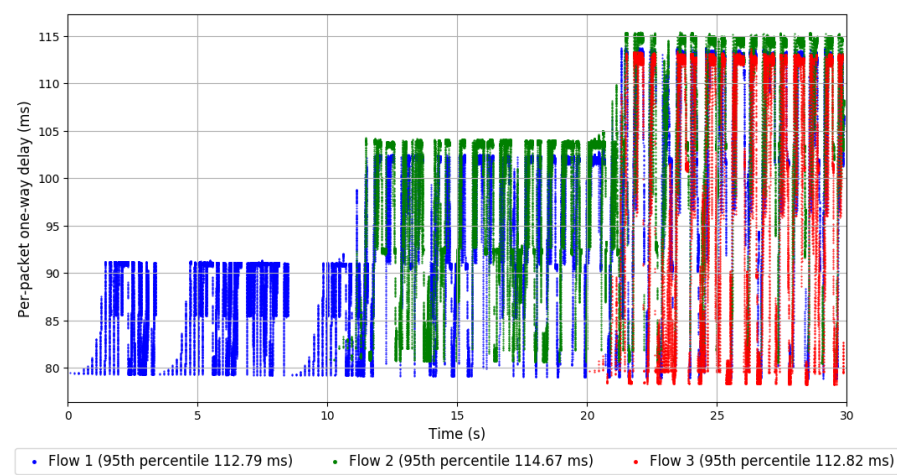
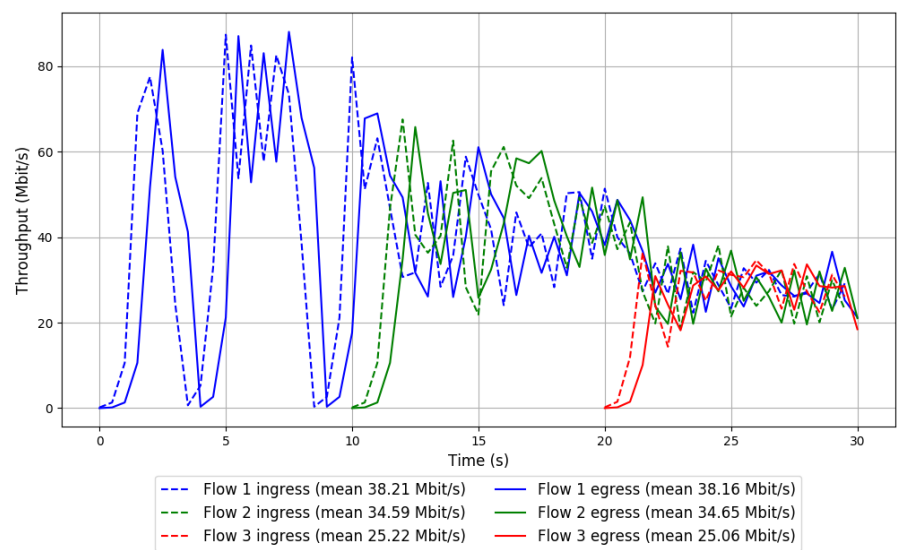


Run 1: Statistics of Verus

Start at: 2018-08-02 00:32:50
End at: 2018-08-02 00:33:20
Local clock offset: -6.219 ms
Remote clock offset: 13.524 ms

Below is generated by plot.py at 2018-08-02 04:03:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 113.219 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 112.792 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 114.674 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 112.824 ms
Loss rate: 2.39%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-02 00:53:58

End at: 2018-08-02 00:54:28

Local clock offset: -6.505 ms

Remote clock offset: 3.965 ms

Below is generated by plot.py at 2018-08-02 04:04:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.38 Mbit/s

95th percentile per-packet one-way delay: 110.196 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 102.917 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 112.022 ms

Loss rate: 1.65%

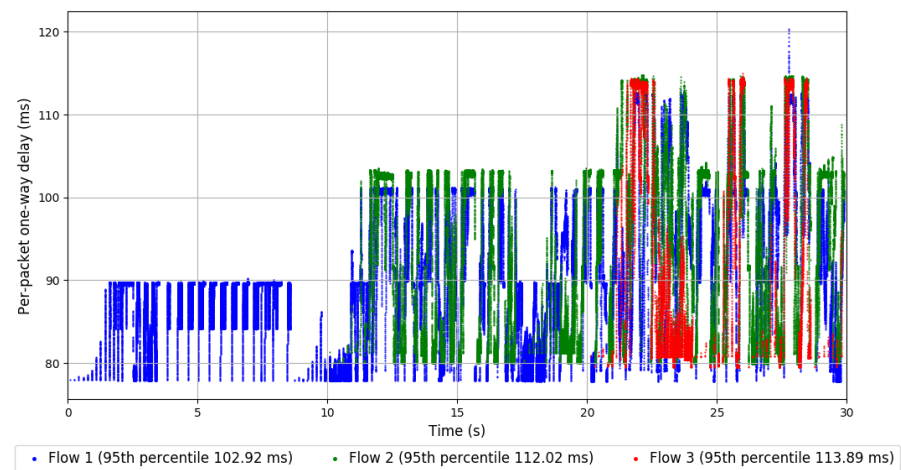
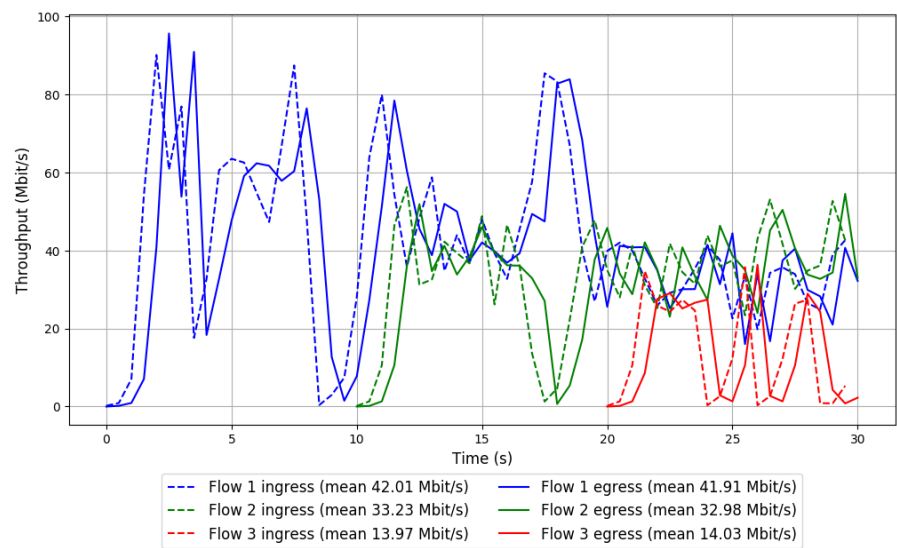
-- Flow 3:

Average throughput: 14.03 Mbit/s

95th percentile per-packet one-way delay: 113.895 ms

Loss rate: 1.35%

Run 2: Report of Verus — Data Link

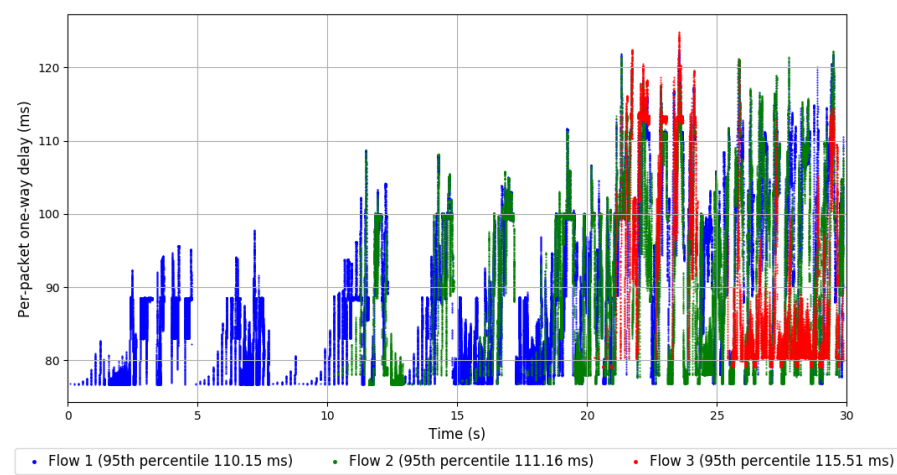
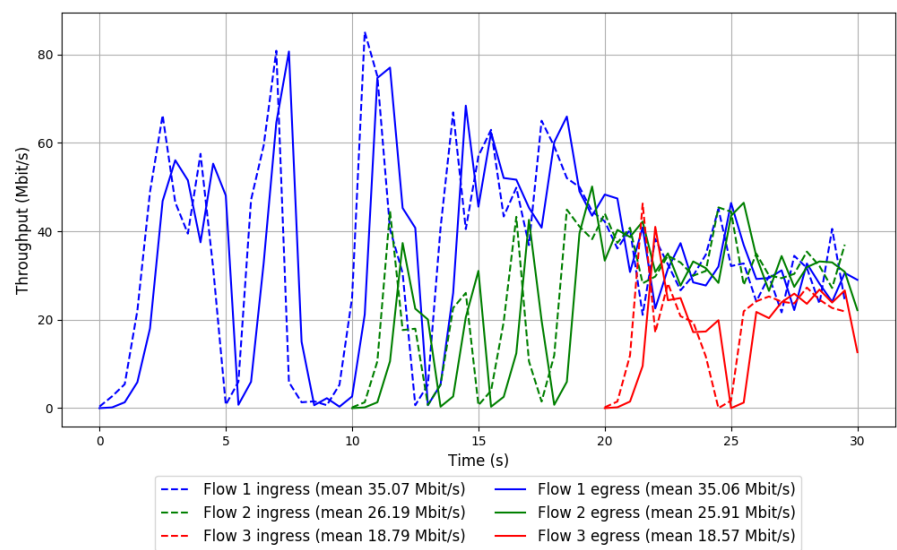


Run 3: Statistics of Verus

Start at: 2018-08-02 01:15:10
End at: 2018-08-02 01:15:40
Local clock offset: -5.82 ms
Remote clock offset: 12.884 ms

Below is generated by plot.py at 2018-08-02 04:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 111.327 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 110.146 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 111.163 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 115.512 ms
Loss rate: 3.07%

Run 3: Report of Verus — Data Link

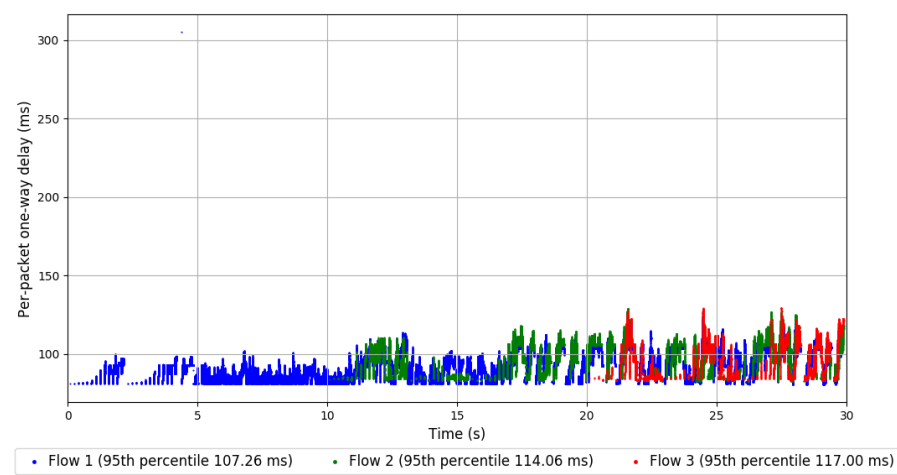
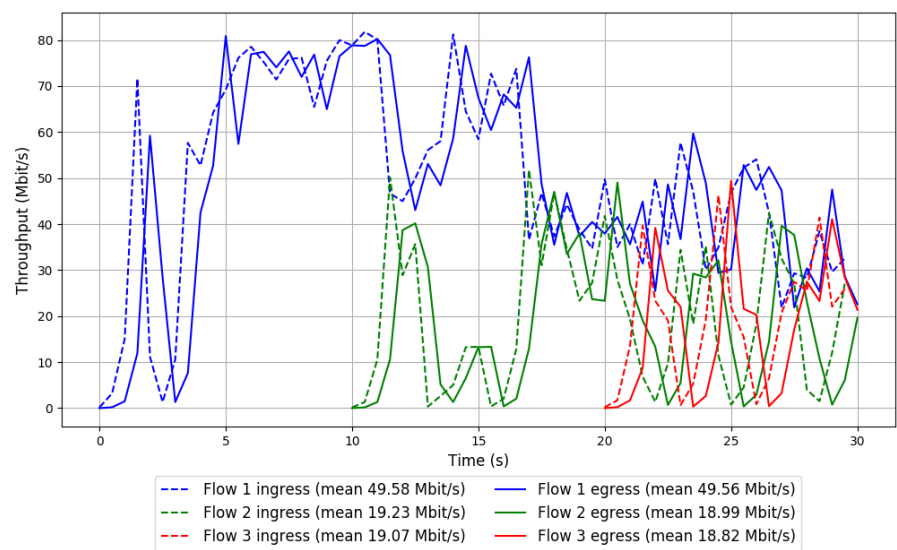


Run 4: Statistics of Verus

Start at: 2018-08-02 01:36:15
End at: 2018-08-02 01:36:45
Local clock offset: -6.474 ms
Remote clock offset: 11.584 ms

Below is generated by plot.py at 2018-08-02 04:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 110.304 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 49.56 Mbit/s
95th percentile per-packet one-way delay: 107.258 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 114.063 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 116.997 ms
Loss rate: 2.22%

Run 4: Report of Verus — Data Link

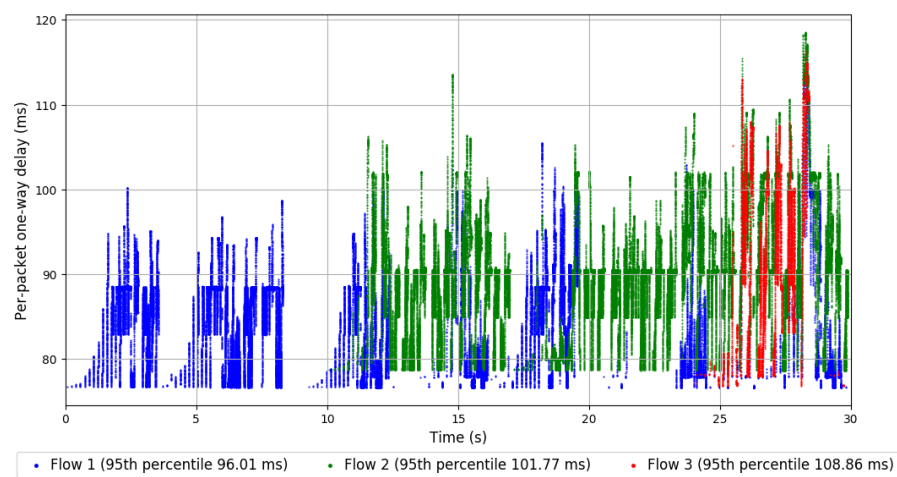
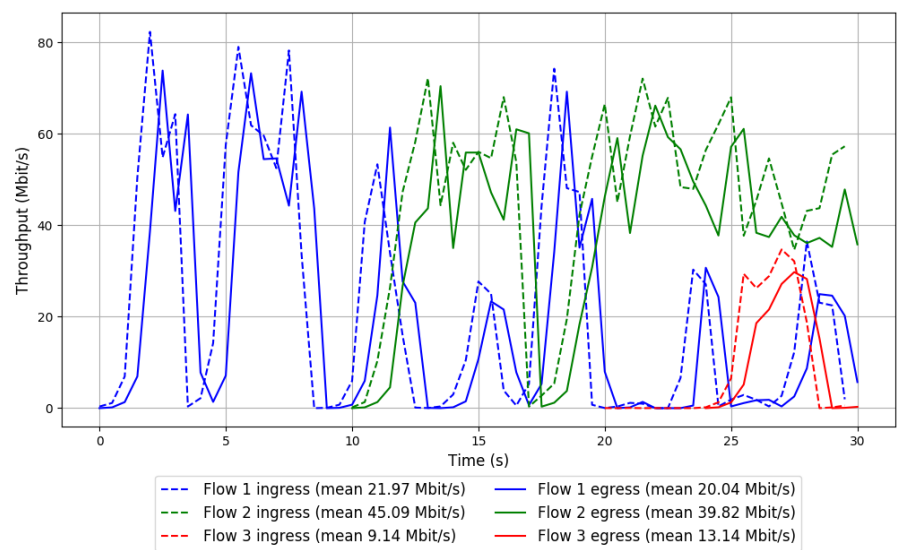


Run 5: Statistics of Verus

Start at: 2018-08-02 01:57:13
End at: 2018-08-02 01:57:43
Local clock offset: -6.455 ms
Remote clock offset: 8.669 ms

Below is generated by plot.py at 2018-08-02 04:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 101.581 ms
Loss rate: 11.46%
-- Flow 1:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 96.007 ms
Loss rate: 9.30%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 101.770 ms
Loss rate: 12.43%
-- Flow 3:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 108.856 ms
Loss rate: 17.53%

Run 5: Report of Verus — Data Link

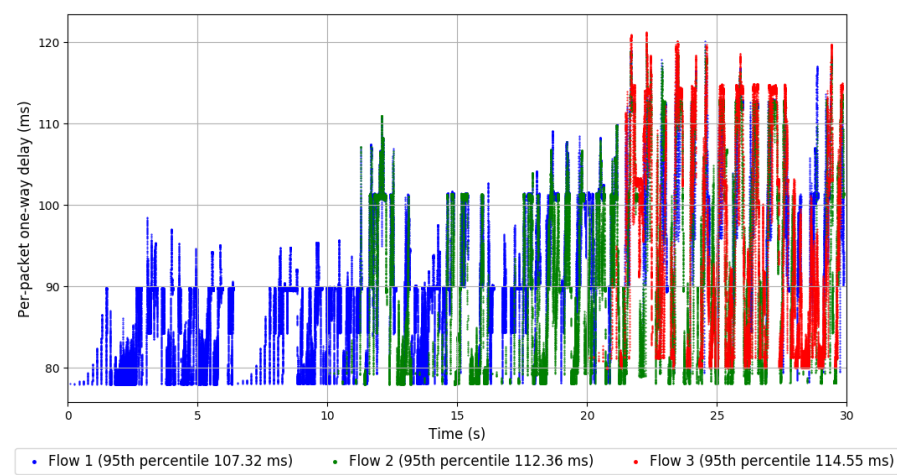
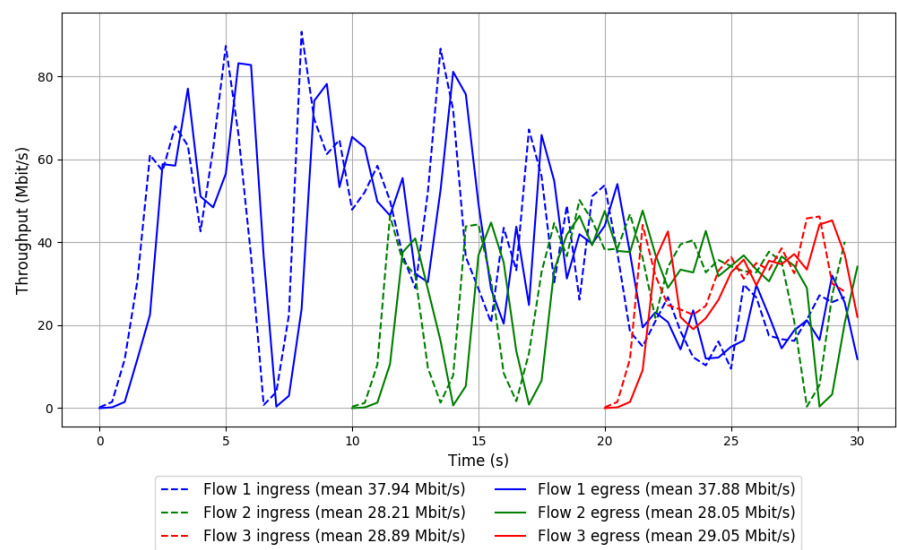


Run 6: Statistics of Verus

Start at: 2018-08-02 02:18:19
End at: 2018-08-02 02:18:49
Local clock offset: -6.078 ms
Remote clock offset: 12.6 ms

Below is generated by plot.py at 2018-08-02 04:04:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 112.305 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 107.324 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 112.363 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 114.553 ms
Loss rate: 1.81%

Run 6: Report of Verus — Data Link

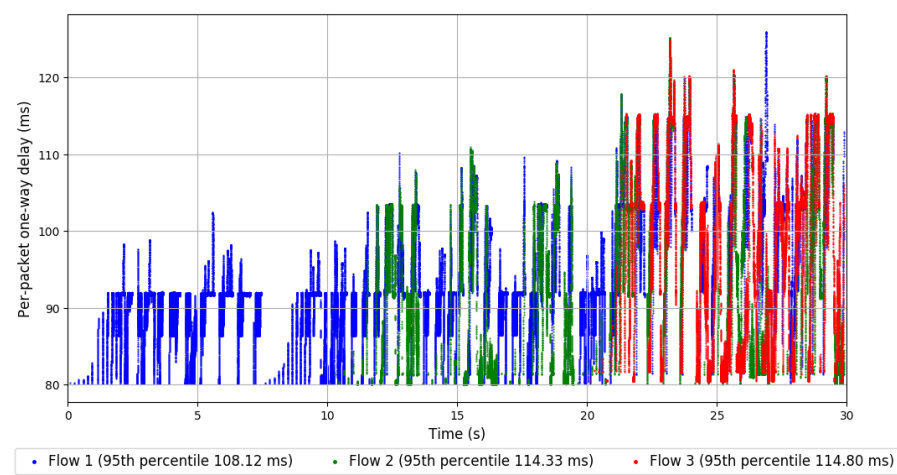
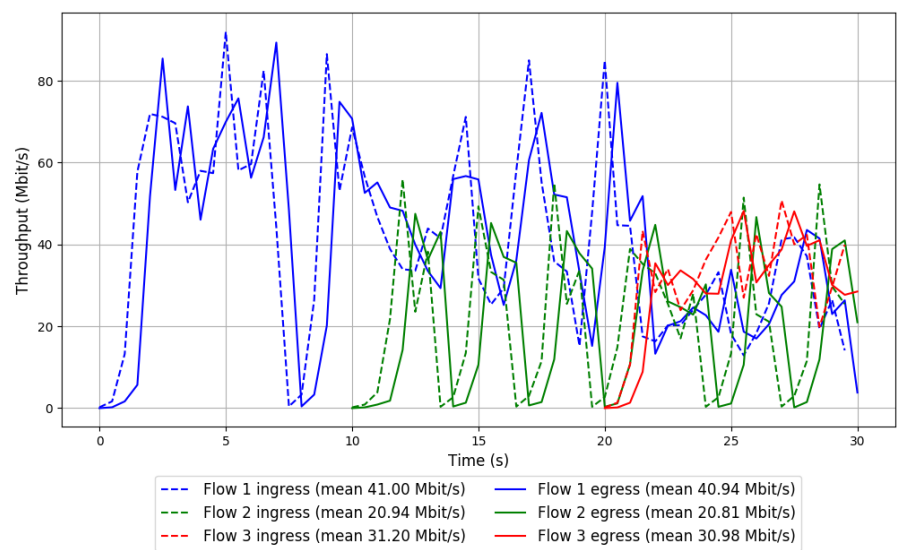


Run 7: Statistics of Verus

Start at: 2018-08-02 02:39:21
End at: 2018-08-02 02:39:51
Local clock offset: -6.676 ms
Remote clock offset: 17.641 ms

Below is generated by plot.py at 2018-08-02 04:04:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 114.055 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 108.120 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 114.333 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 114.803 ms
Loss rate: 2.42%

Run 7: Report of Verus — Data Link

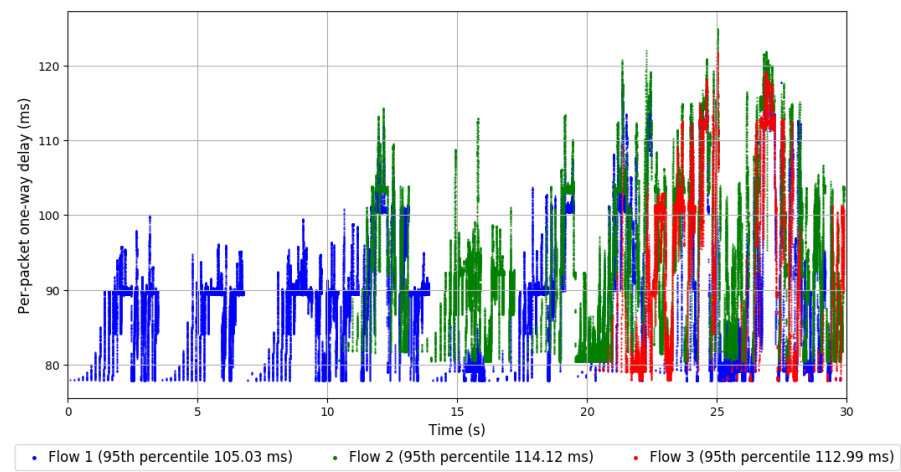
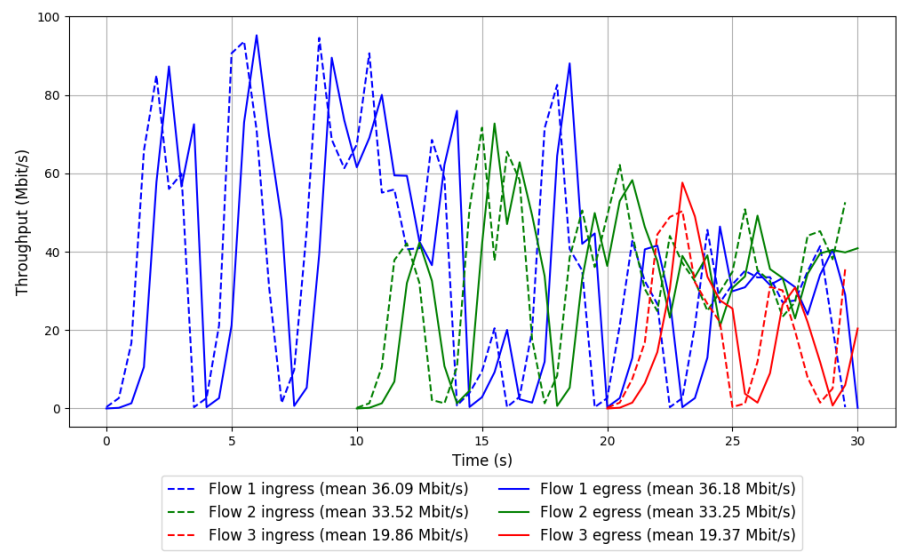


Run 8: Statistics of Verus

Start at: 2018-08-02 03:00:26
End at: 2018-08-02 03:00:56
Local clock offset: -7.06 ms
Remote clock offset: 12.927 ms

Below is generated by plot.py at 2018-08-02 04:04:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 111.737 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 105.025 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 114.123 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 112.990 ms
Loss rate: 4.12%

Run 8: Report of Verus — Data Link

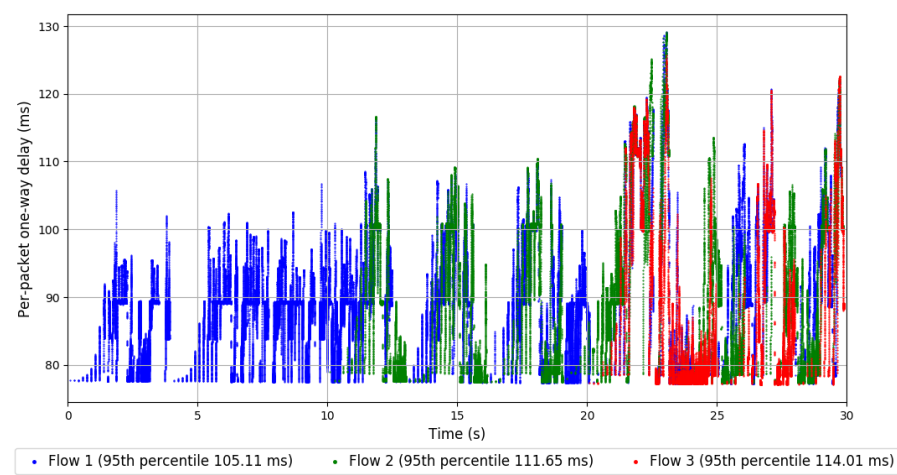
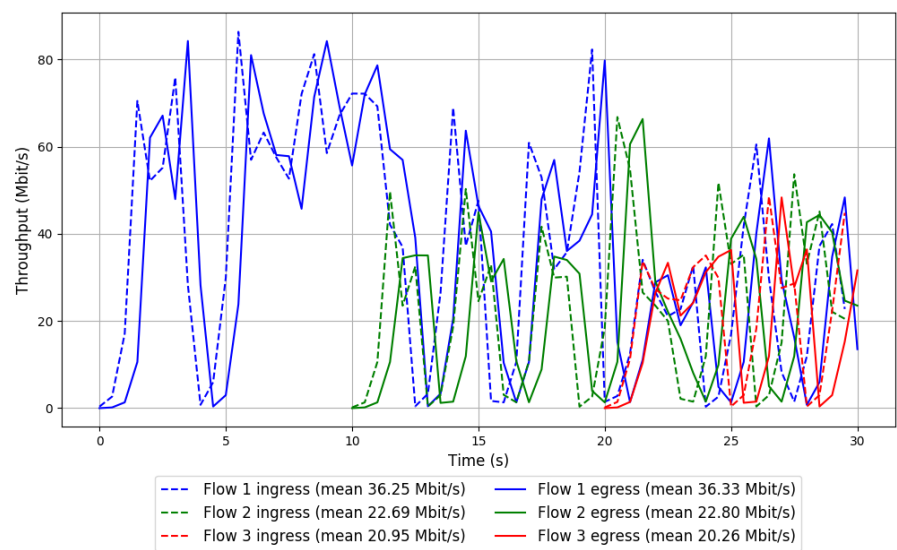


Run 9: Statistics of Verus

Start at: 2018-08-02 03:21:30
End at: 2018-08-02 03:22:00
Local clock offset: -7.444 ms
Remote clock offset: 11.194 ms

Below is generated by plot.py at 2018-08-02 04:04:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 110.538 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 105.113 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 111.650 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 114.006 ms
Loss rate: 5.03%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-02 03:42:44

End at: 2018-08-02 03:43:14

Local clock offset: -7.253 ms

Remote clock offset: 1.741 ms

Below is generated by plot.py at 2018-08-02 04:04:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.97 Mbit/s

95th percentile per-packet one-way delay: 113.945 ms

Loss rate: 2.76%

-- Flow 1:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 112.152 ms

Loss rate: 3.49%

-- Flow 2:

Average throughput: 30.57 Mbit/s

95th percentile per-packet one-way delay: 113.125 ms

Loss rate: 2.46%

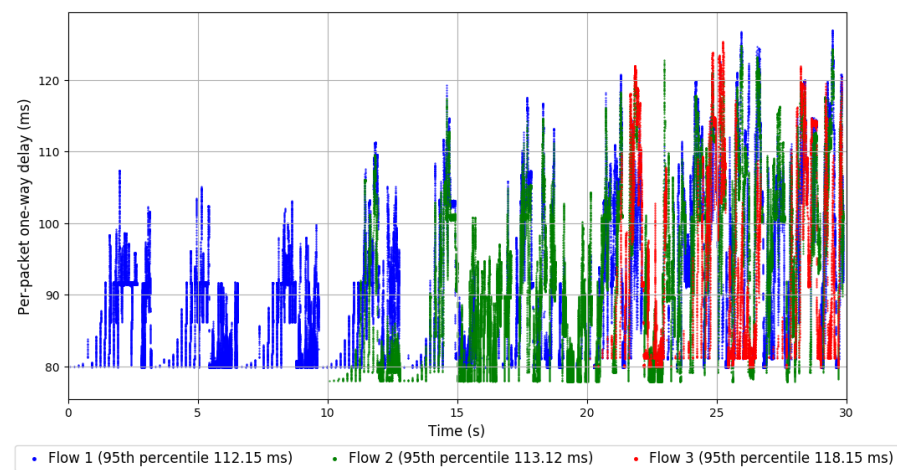
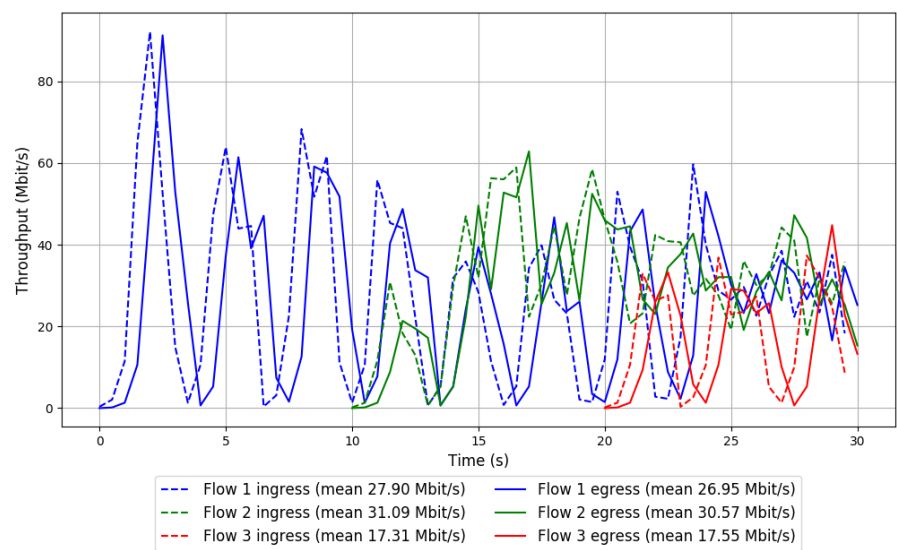
-- Flow 3:

Average throughput: 17.55 Mbit/s

95th percentile per-packet one-way delay: 118.148 ms

Loss rate: 0.37%

Run 10: Report of Verus — Data Link

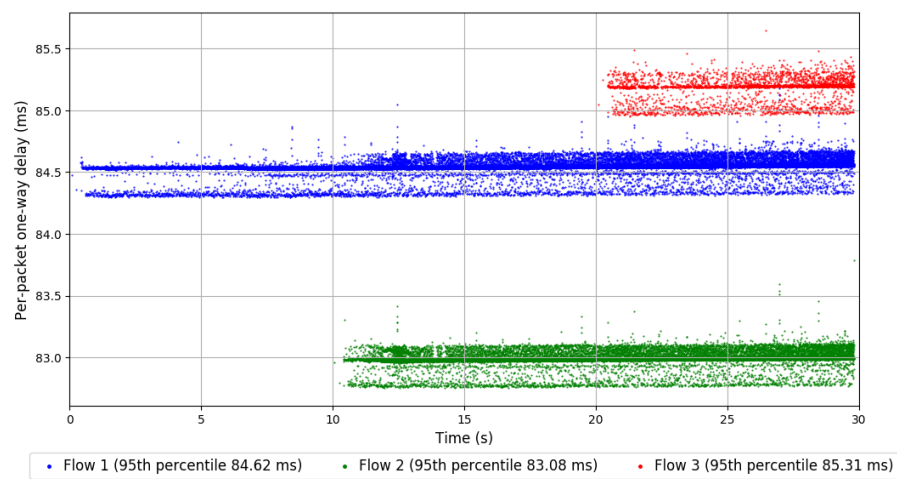
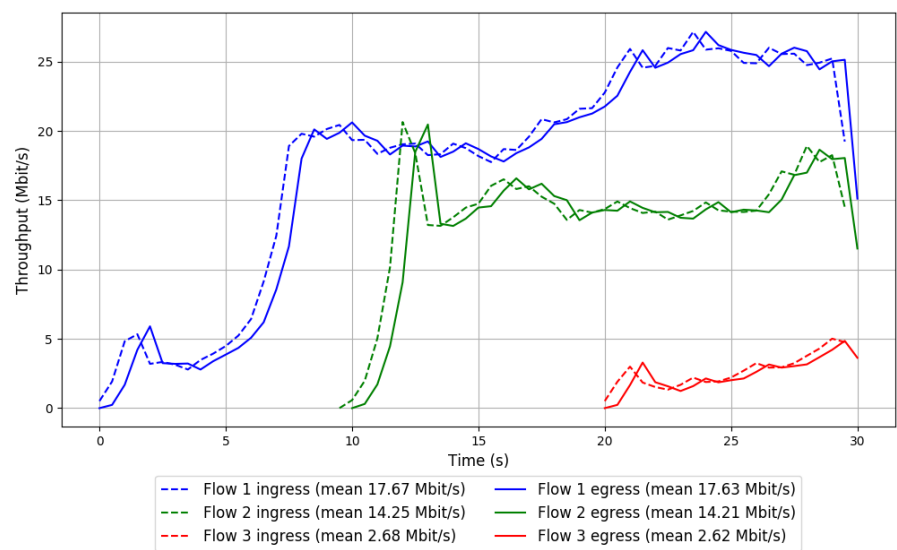


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-02 00:16:29
End at: 2018-08-02 00:16:59
Local clock offset: -5.608 ms
Remote clock offset: 15.975 ms

Below is generated by plot.py at 2018-08-02 04:04:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 84.651 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 84.620 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 83.080 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 85.310 ms
Loss rate: 3.89%

Run 1: Report of PCC-Vivace — Data Link

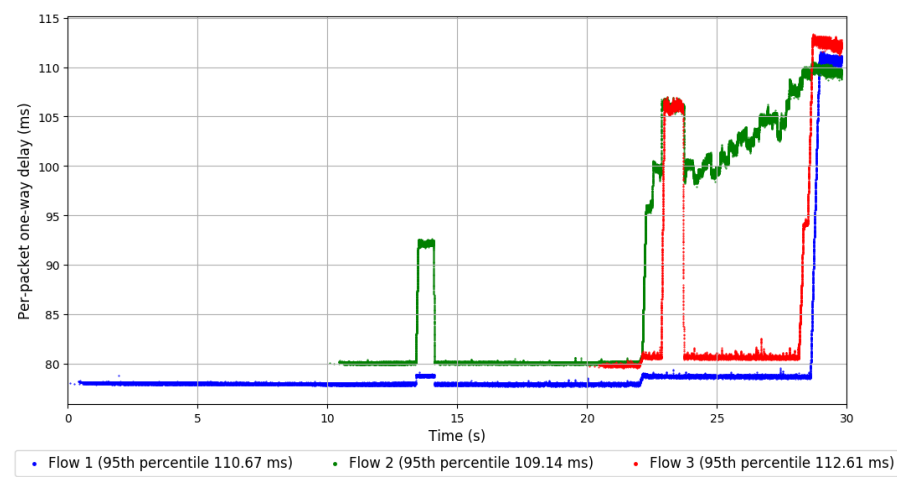
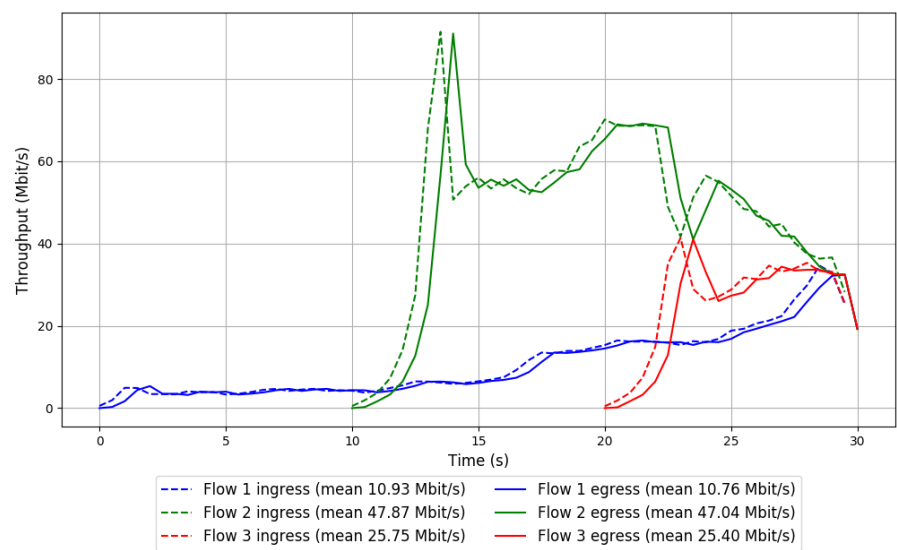


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-02 00:37:46
End at: 2018-08-02 00:38:16
Local clock offset: -6.484 ms
Remote clock offset: 10.312 ms

Below is generated by plot.py at 2018-08-02 04:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 109.839 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 110.667 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 109.138 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 112.615 ms
Loss rate: 3.02%

Run 2: Report of PCC-Vivace — Data Link

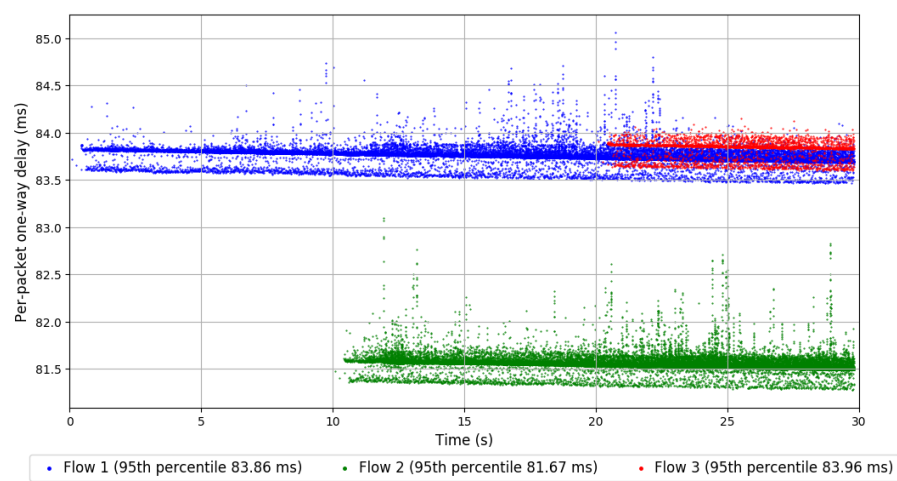
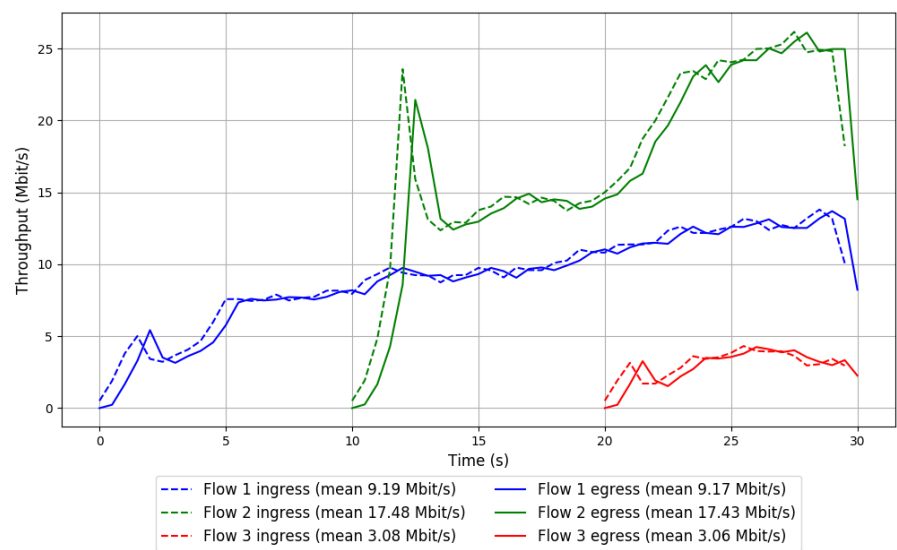


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-02 00:58:53
End at: 2018-08-02 00:59:23
Local clock offset: -6.153 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2018-08-02 04:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 83.856 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 83.863 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 81.667 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 83.961 ms
Loss rate: 2.11%

Run 3: Report of PCC-Vivace — Data Link

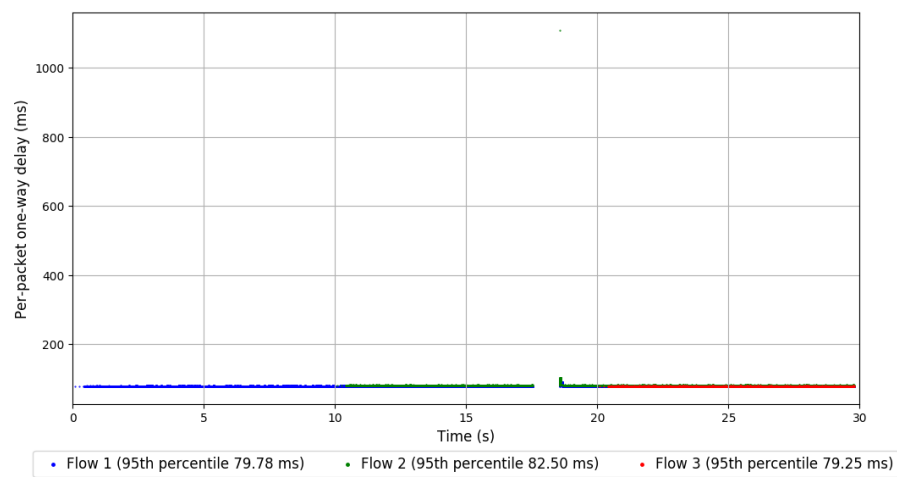
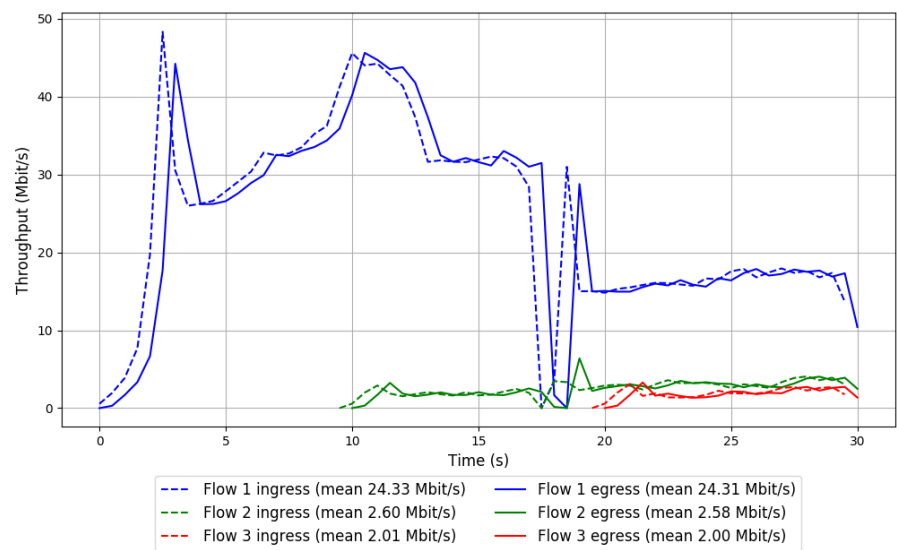


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-02 01:20:06
End at: 2018-08-02 01:20:36
Local clock offset: -5.765 ms
Remote clock offset: 12.065 ms

Below is generated by plot.py at 2018-08-02 04:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 81.220 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 79.782 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 82.502 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 79.247 ms
Loss rate: 2.02%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-02 01:41:08

End at: 2018-08-02 01:41:38

Local clock offset: -6.589 ms

Remote clock offset: 6.804 ms

Below is generated by plot.py at 2018-08-02 04:05:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 91.019 ms

Loss rate: 3.69%

-- Flow 1:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 83.977 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 92.174 ms

Loss rate: 3.90%

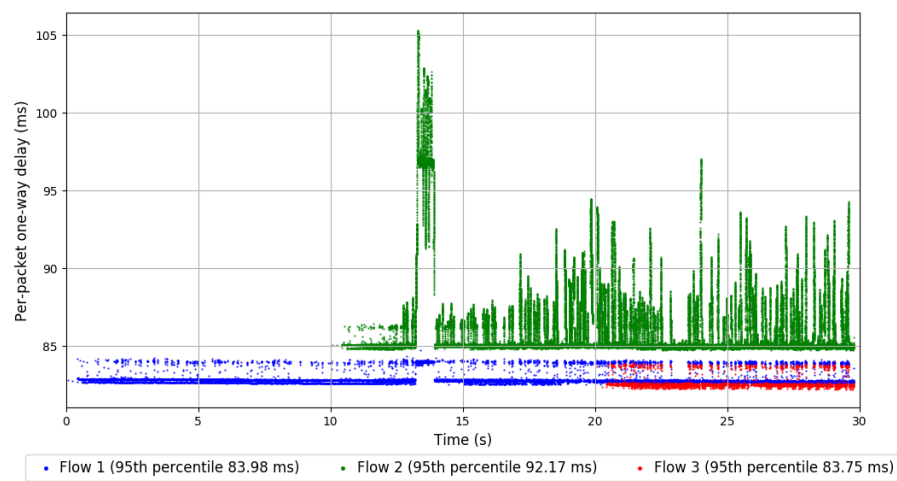
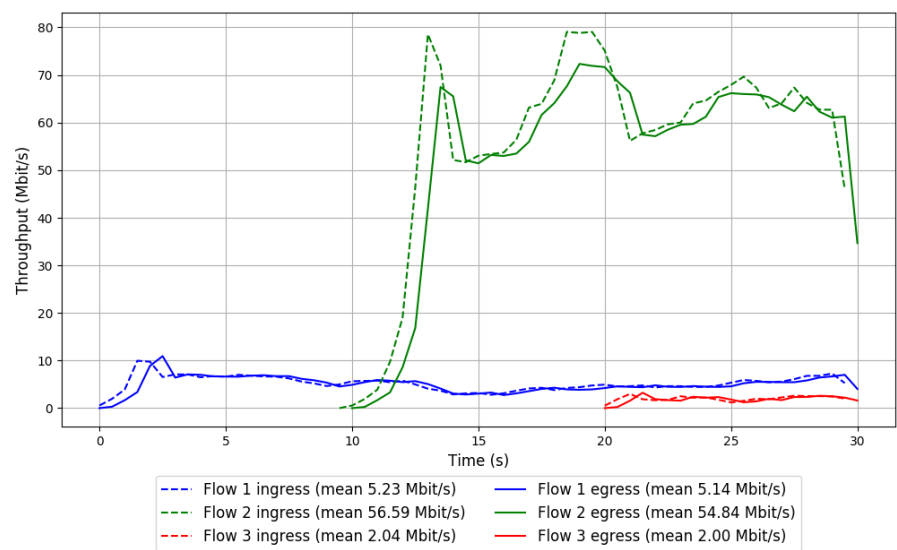
-- Flow 3:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 83.755 ms

Loss rate: 3.62%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-02 02:02:06

End at: 2018-08-02 02:02:36

Local clock offset: -6.248 ms

Remote clock offset: 5.982 ms

Below is generated by plot.py at 2018-08-02 04:05:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.45 Mbit/s

95th percentile per-packet one-way delay: 79.367 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 18.51 Mbit/s

95th percentile per-packet one-way delay: 79.312 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 78.921 ms

Loss rate: 1.46%

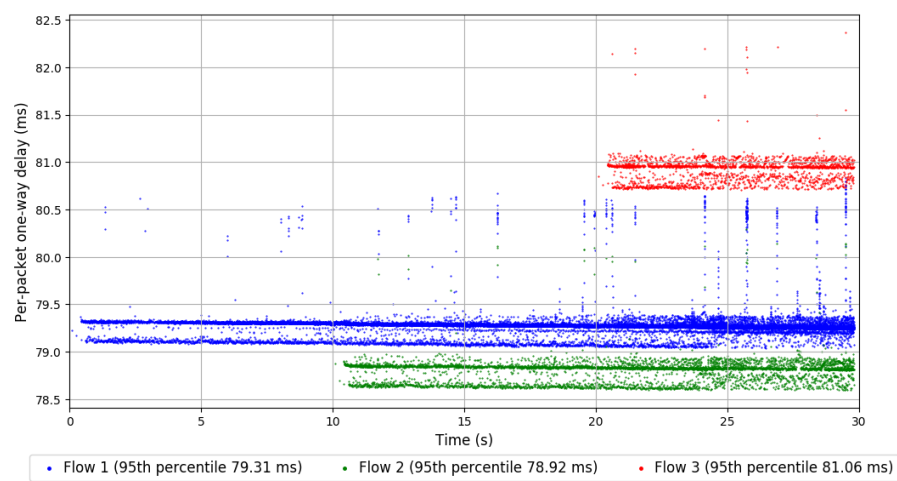
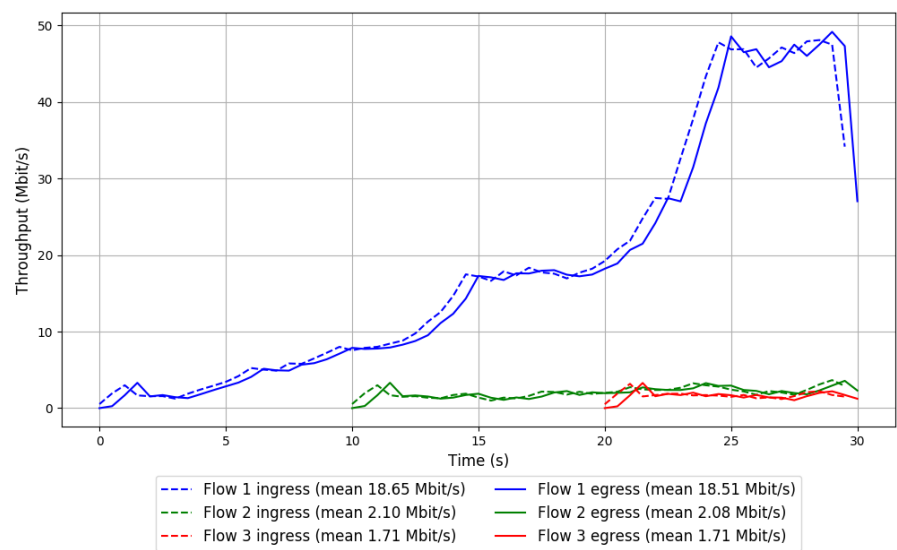
-- Flow 3:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 81.057 ms

Loss rate: 2.01%

Run 6: Report of PCC-Vivace — Data Link

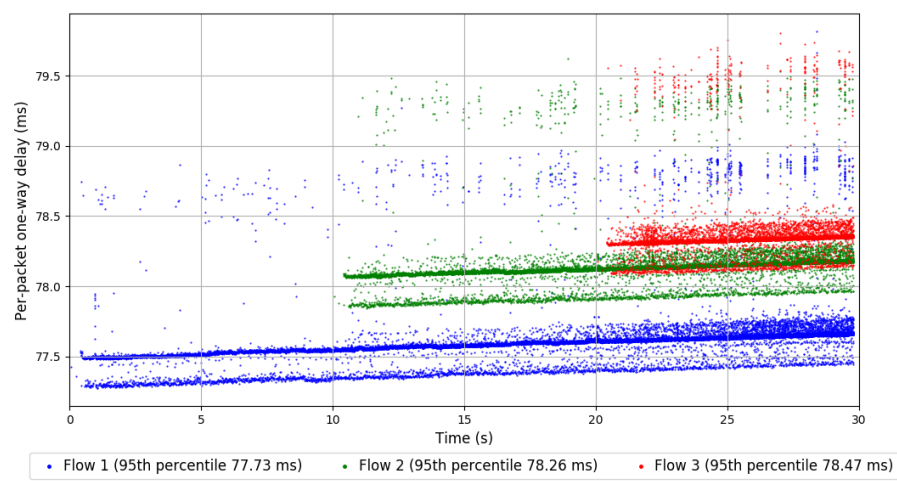
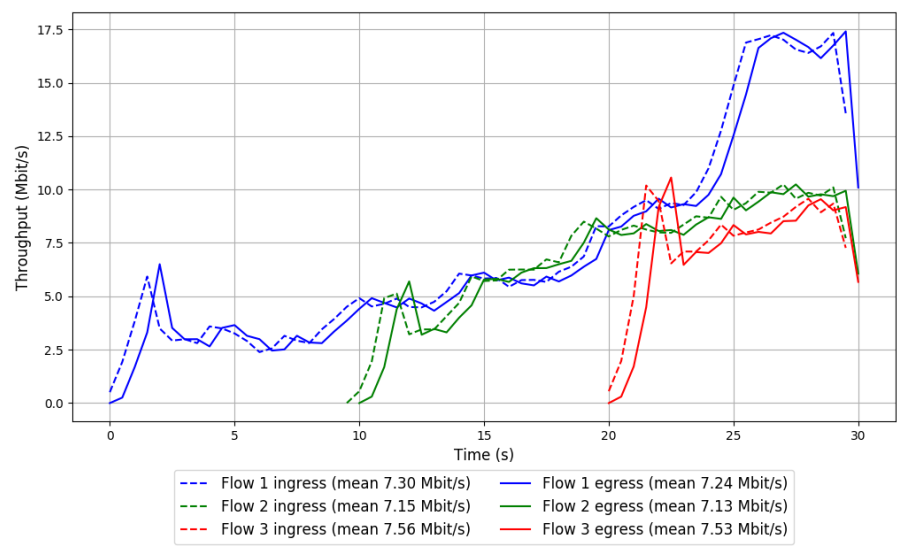


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-02 02:23:13
End at: 2018-08-02 02:23:43
Local clock offset: -6.08 ms
Remote clock offset: 14.658 ms

Below is generated by plot.py at 2018-08-02 04:05:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 78.388 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 77.735 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 78.261 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 78.467 ms
Loss rate: 2.07%

Run 7: Report of PCC-Vivace — Data Link

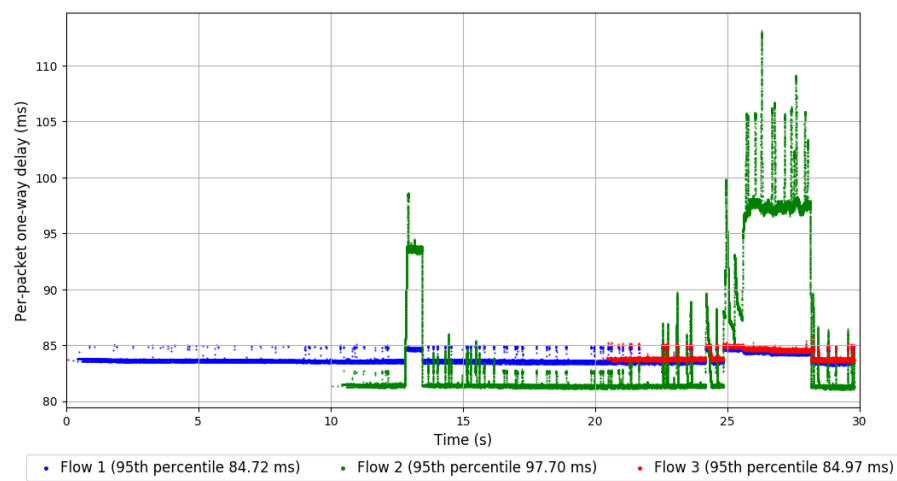
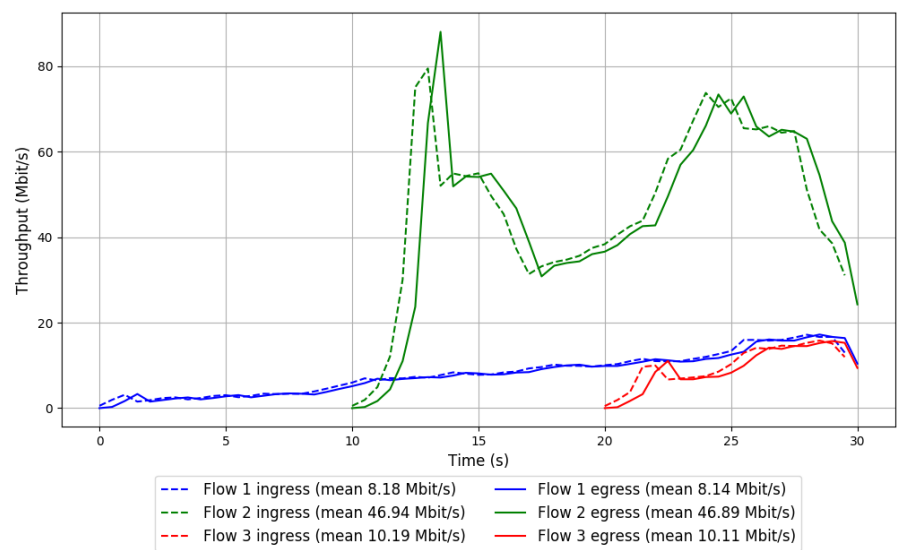


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-02 02:44:18
End at: 2018-08-02 02:44:48
Local clock offset: -6.751 ms
Remote clock offset: 14.385 ms

Below is generated by plot.py at 2018-08-02 04:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 97.562 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 84.719 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 97.700 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 84.971 ms
Loss rate: 2.54%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-02 03:05:21

End at: 2018-08-02 03:05:51

Local clock offset: -7.235 ms

Remote clock offset: 7.793 ms

Below is generated by plot.py at 2018-08-02 04:05:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.74 Mbit/s

95th percentile per-packet one-way delay: 113.626 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 116.776 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 111.259 ms

Loss rate: 1.10%

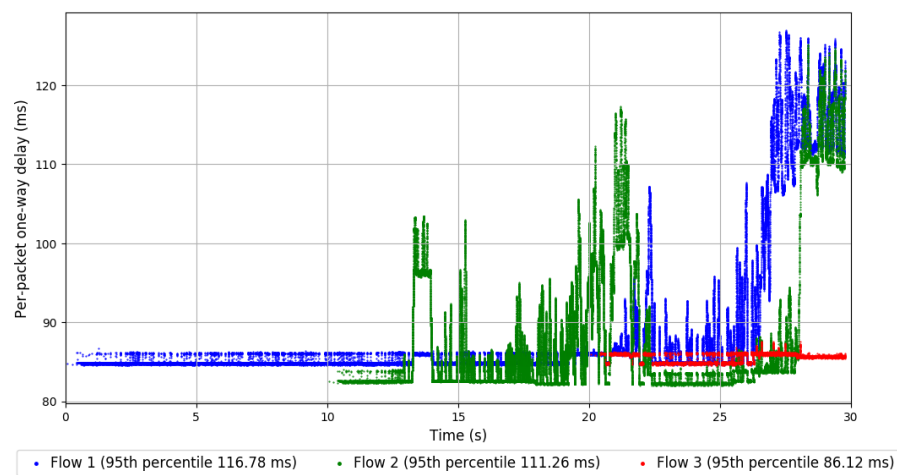
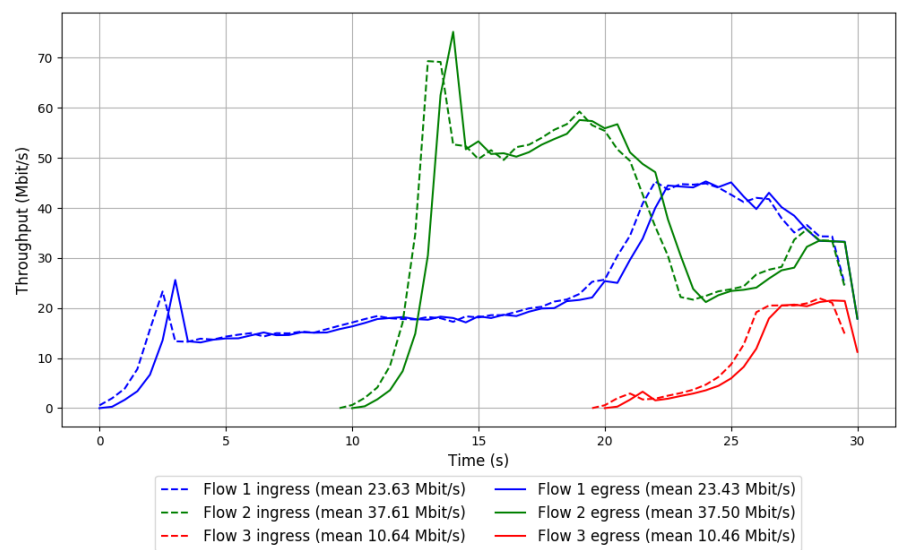
-- Flow 3:

Average throughput: 10.46 Mbit/s

95th percentile per-packet one-way delay: 86.117 ms

Loss rate: 3.37%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-02 03:26:26

End at: 2018-08-02 03:26:56

Local clock offset: -7.34 ms

Remote clock offset: 8.543 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 82.520 ms

Loss rate: 4.33%

-- Flow 1:

Average throughput: 43.85 Mbit/s

95th percentile per-packet one-way delay: 83.370 ms

Loss rate: 4.06%

-- Flow 2:

Average throughput: 11.53 Mbit/s

95th percentile per-packet one-way delay: 80.044 ms

Loss rate: 5.61%

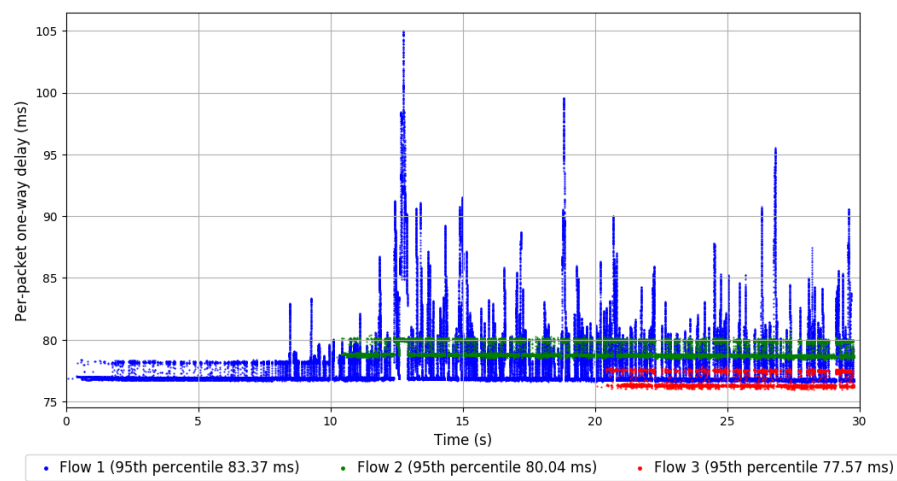
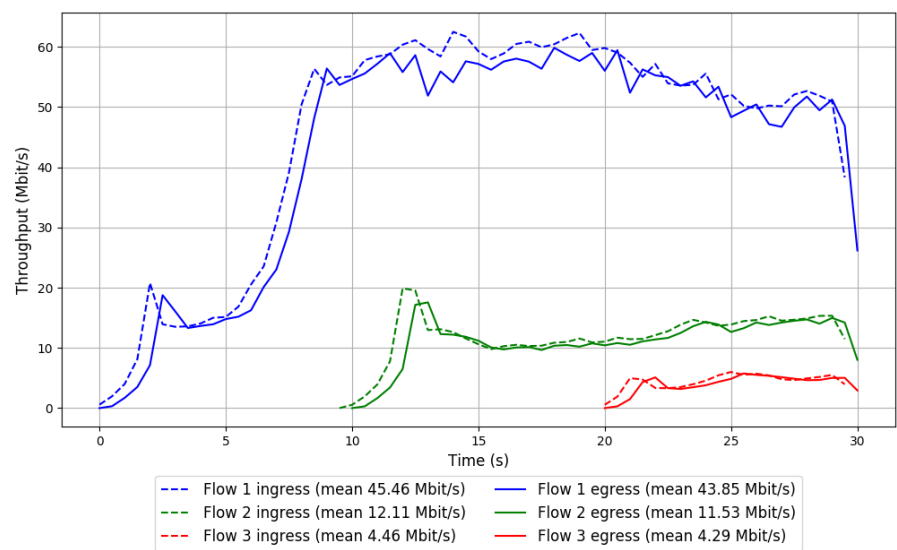
-- Flow 3:

Average throughput: 4.29 Mbit/s

95th percentile per-packet one-way delay: 77.568 ms

Loss rate: 5.50%

Run 10: Report of PCC-Vivace — Data Link

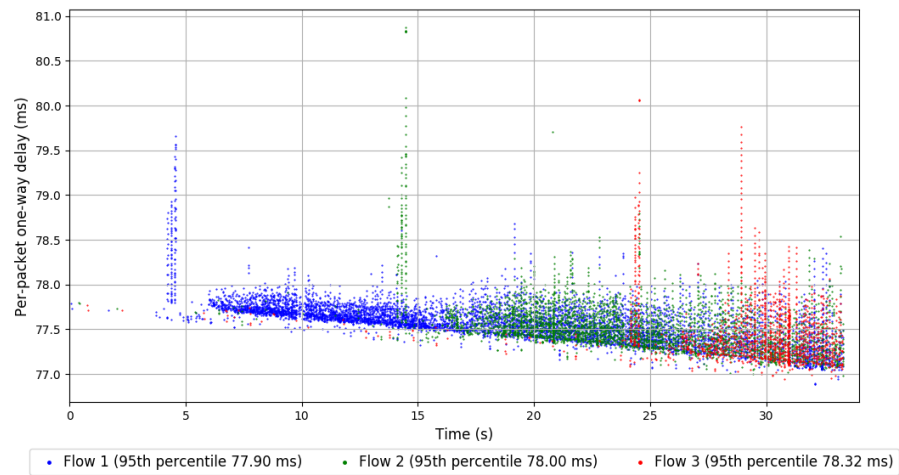
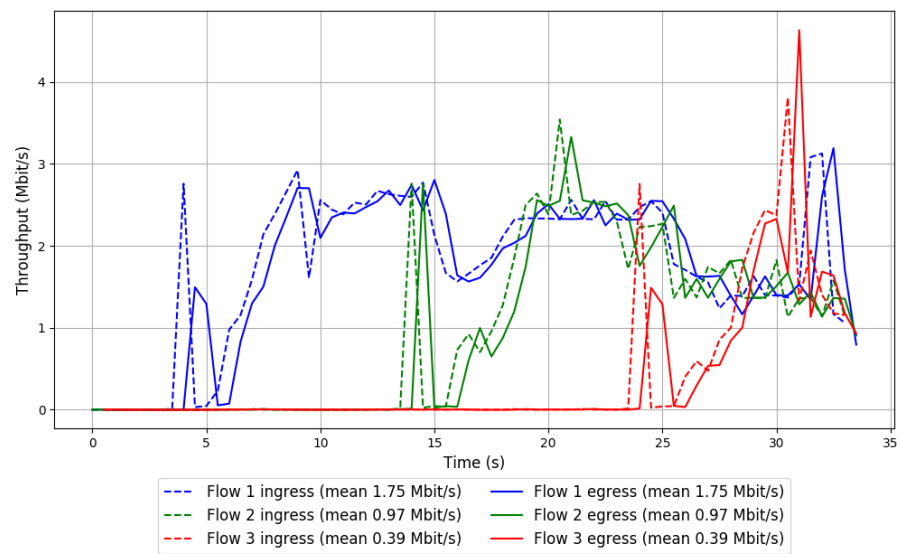


Run 1: Statistics of WebRTC media

Start at: 2018-08-02 00:28:55
End at: 2018-08-02 00:29:25
Local clock offset: -6.047 ms
Remote clock offset: 19.802 ms

Below is generated by plot.py at 2018-08-02 04:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 77.961 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 77.896 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 78.003 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 78.324 ms
Loss rate: 1.79%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-02 00:50:14

End at: 2018-08-02 00:50:44

Local clock offset: -6.621 ms

Remote clock offset: 6.079 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 79.280 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 79.347 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 76.834 ms

Loss rate: 0.72%

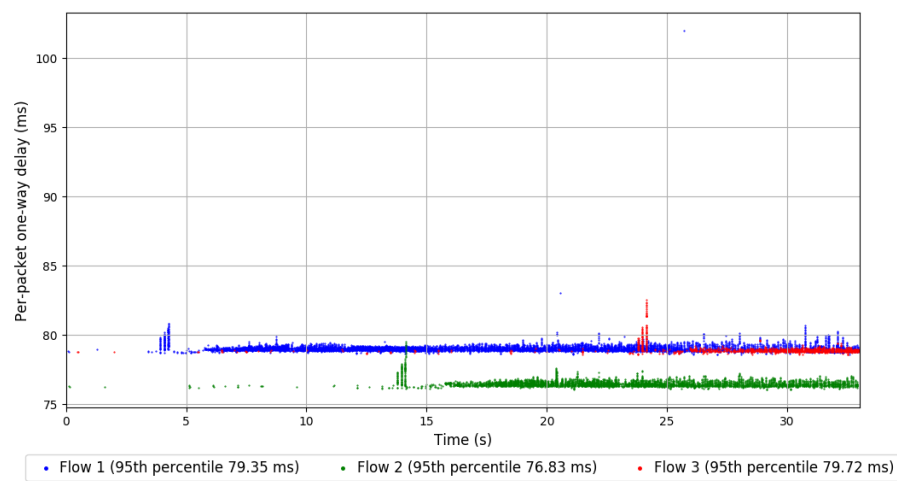
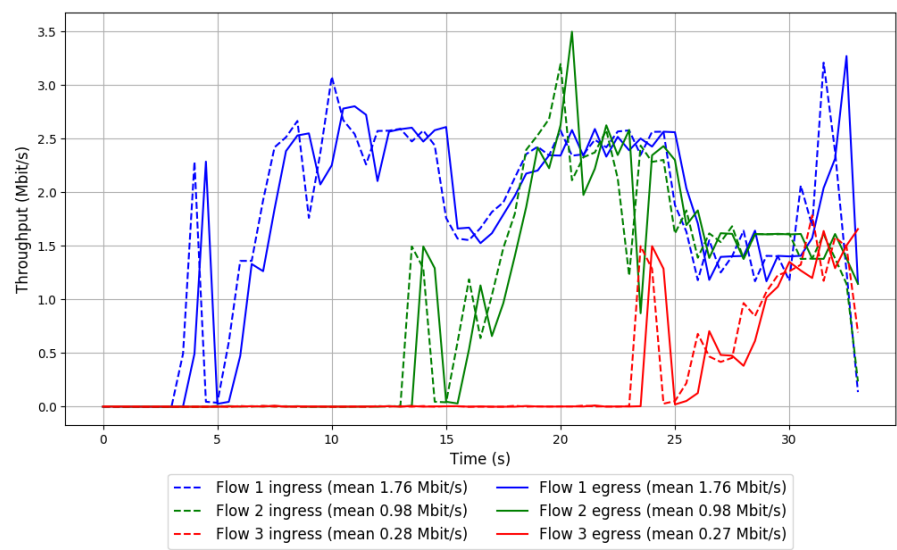
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 79.715 ms

Loss rate: 4.47%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-02 01:11:27

End at: 2018-08-02 01:11:57

Local clock offset: -5.81 ms

Remote clock offset: 6.508 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 84.653 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 82.792 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 85.027 ms

Loss rate: 0.71%

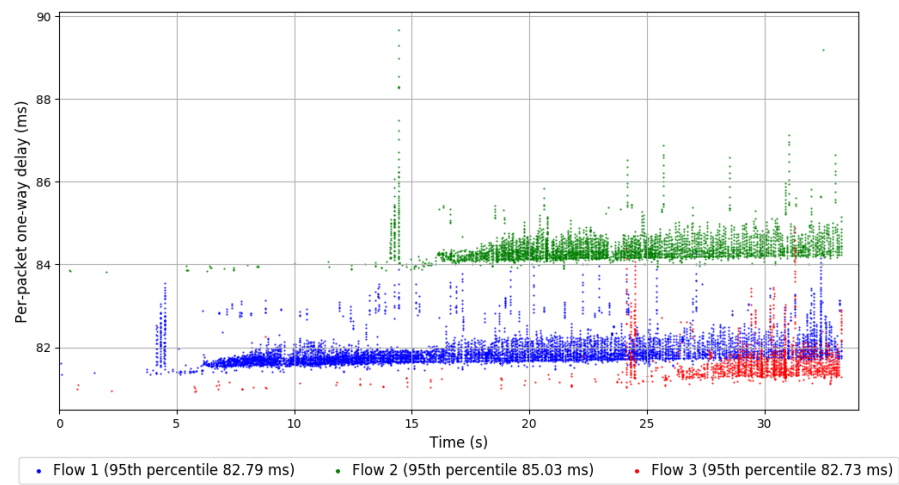
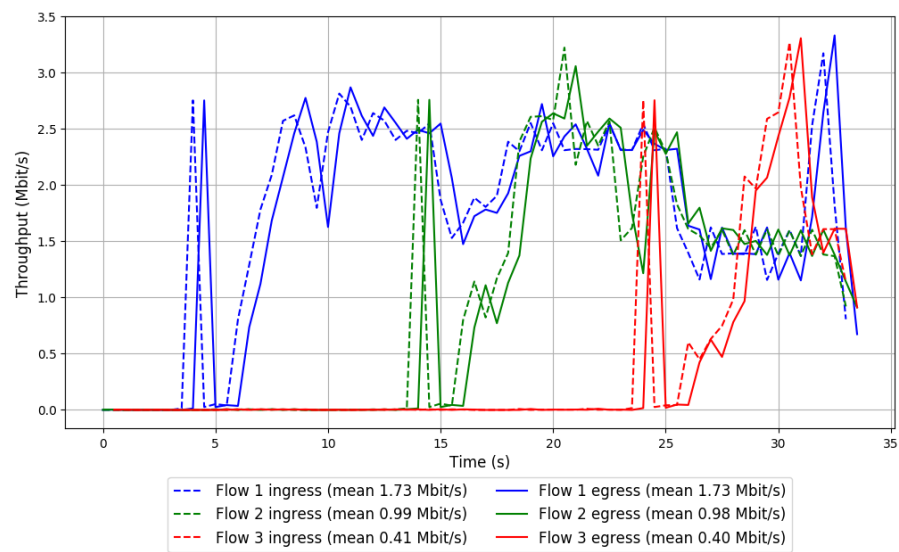
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 82.728 ms

Loss rate: 1.70%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-02 01:32:32

End at: 2018-08-02 01:33:02

Local clock offset: -6.362 ms

Remote clock offset: 9.977 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 84.318 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 84.361 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 0.97 Mbit/s

95th percentile per-packet one-way delay: 84.218 ms

Loss rate: 0.71%

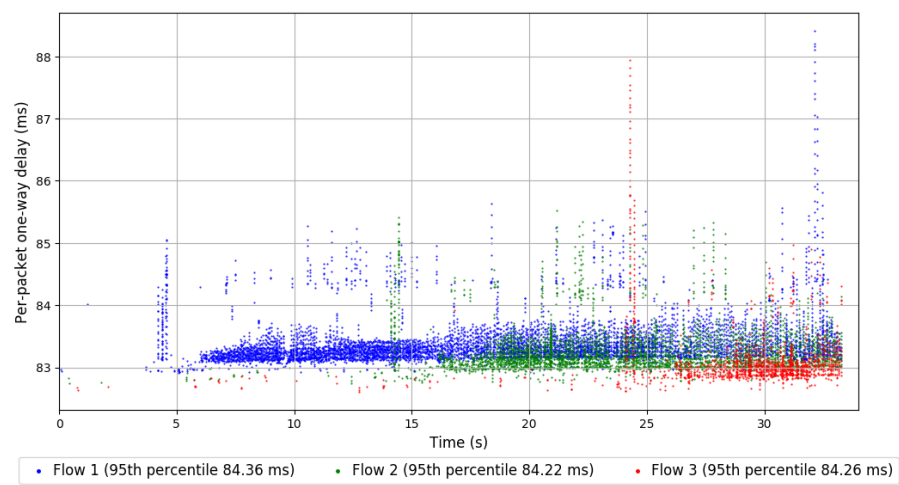
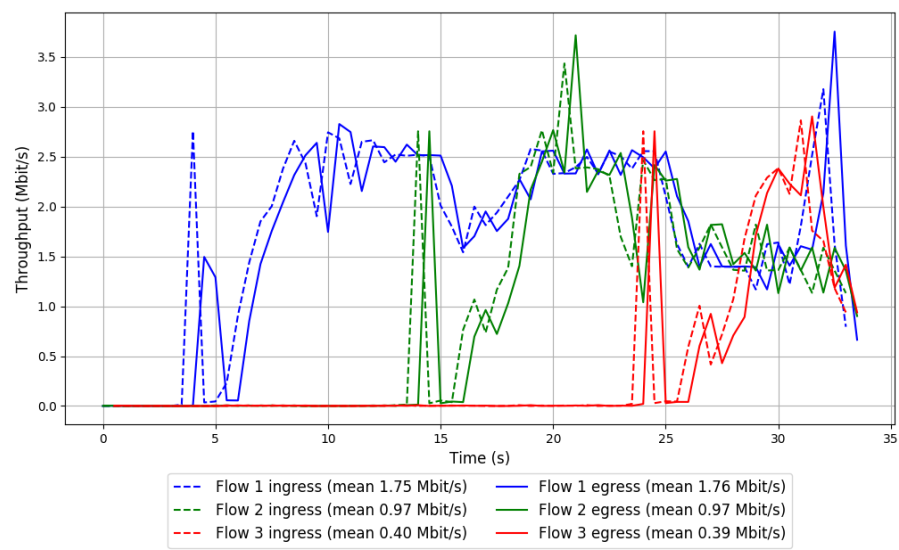
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 84.262 ms

Loss rate: 0.91%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-02 01:53:31

End at: 2018-08-02 01:54:01

Local clock offset: -6.664 ms

Remote clock offset: 8.131 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 81.056 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 80.738 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 81.470 ms

Loss rate: 0.72%

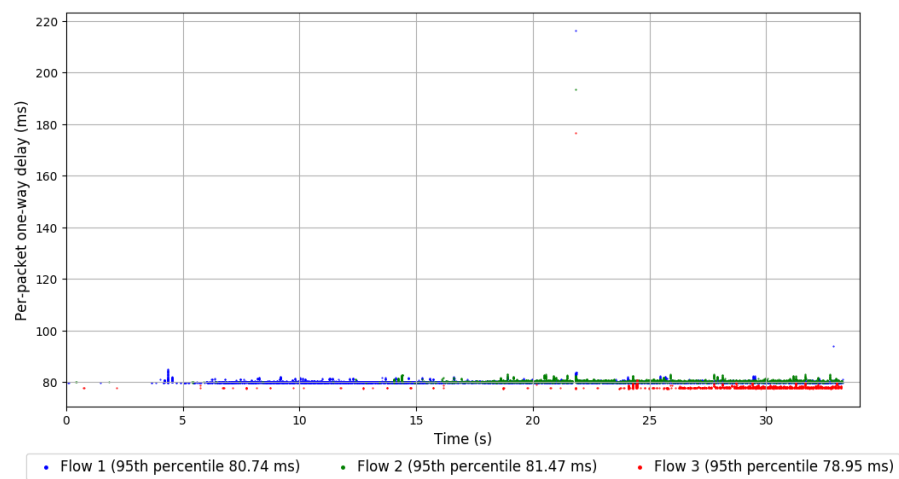
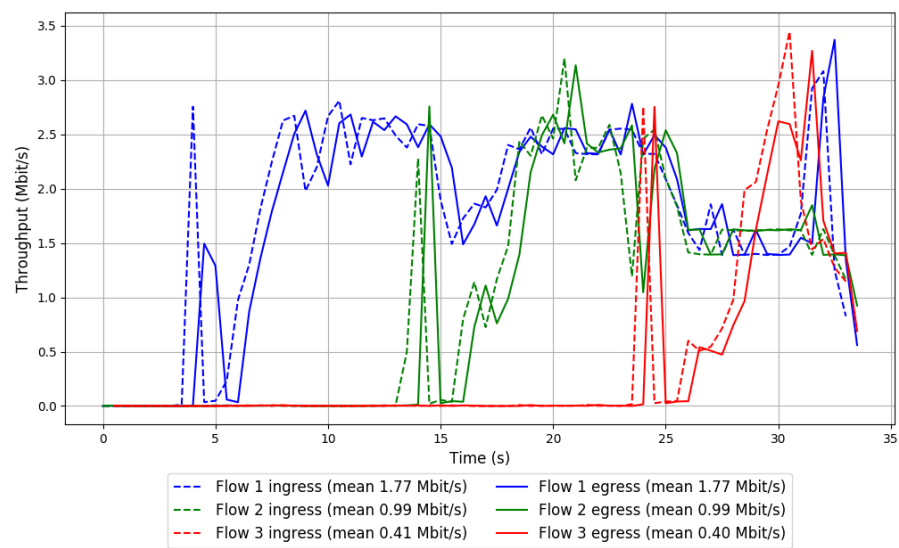
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 78.954 ms

Loss rate: 2.58%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-02 02:14:34

End at: 2018-08-02 02:15:04

Local clock offset: -6.049 ms

Remote clock offset: 5.524 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 85.757 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 83.771 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 1.05%

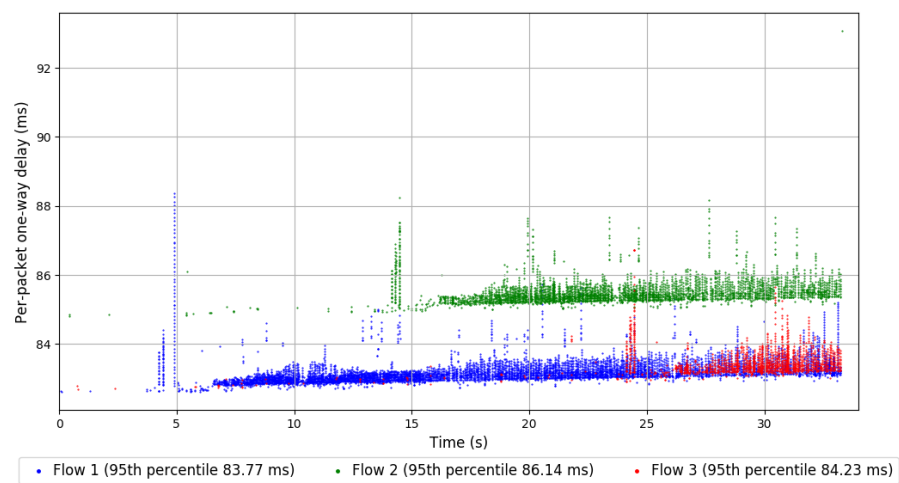
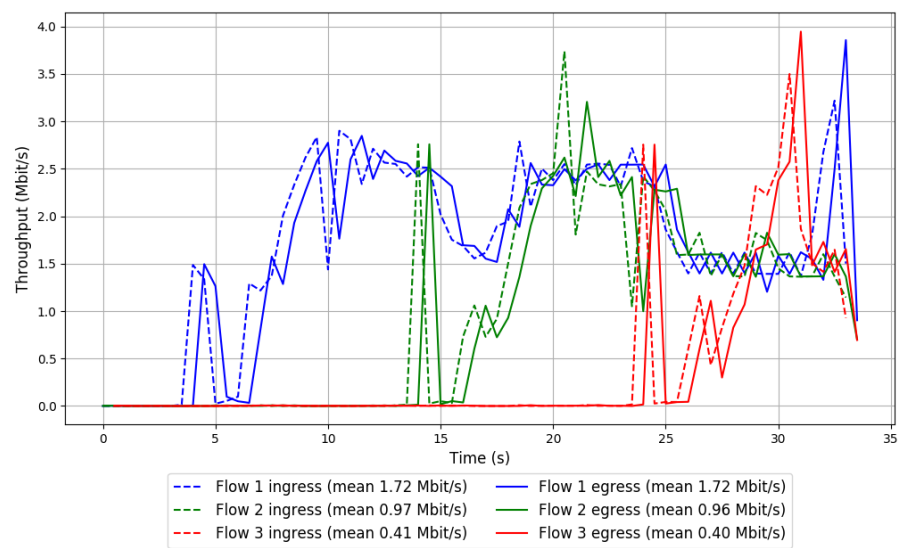
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 84.233 ms

Loss rate: 1.74%

Run 6: Report of WebRTC media — Data Link

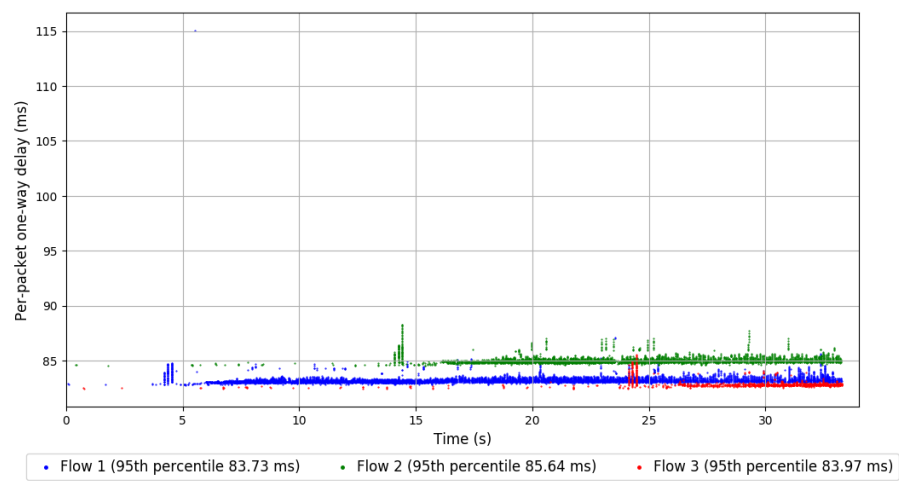
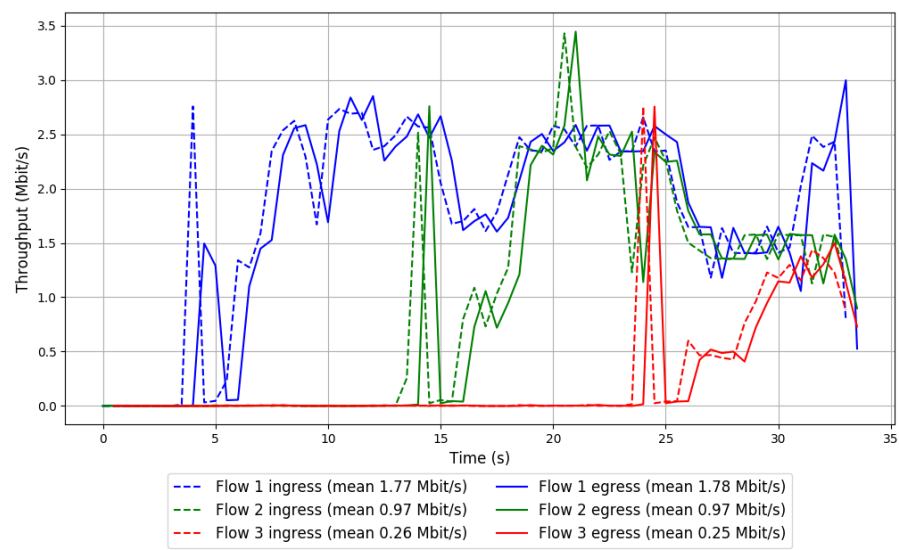


Run 7: Statistics of WebRTC media

Start at: 2018-08-02 02:35:37
End at: 2018-08-02 02:36:07
Local clock offset: -6.553 ms
Remote clock offset: 12.262 ms

Below is generated by plot.py at 2018-08-02 04:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 85.257 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 83.729 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 85.637 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 83.970 ms
Loss rate: 2.21%

Run 7: Report of WebRTC media — Data Link

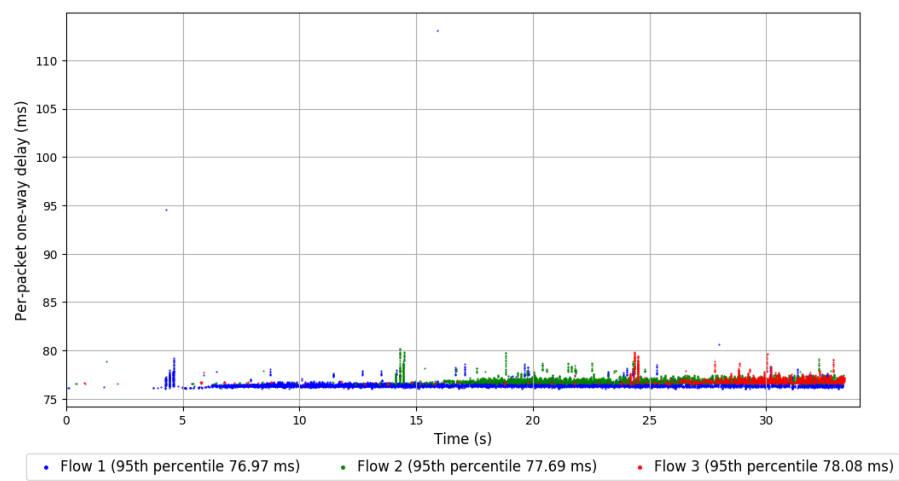
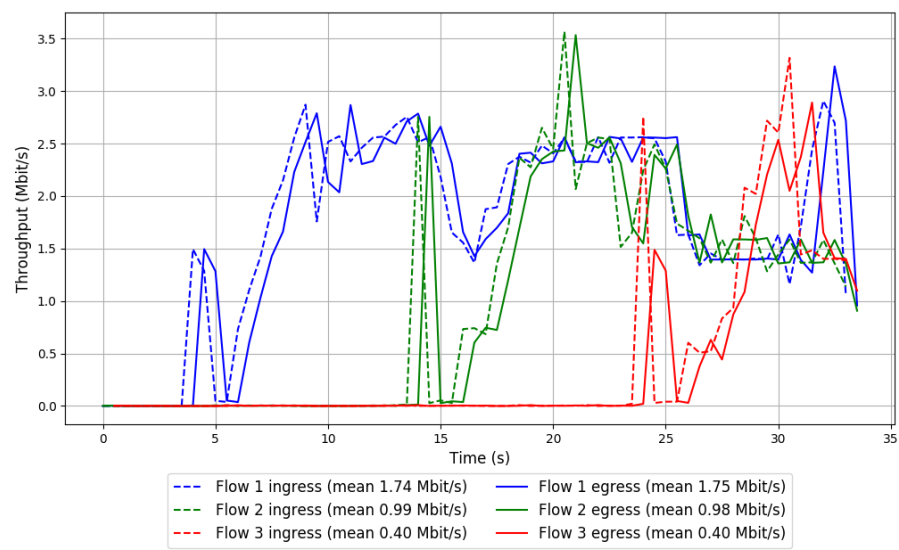


Run 8: Statistics of WebRTC media

Start at: 2018-08-02 02:56:44
End at: 2018-08-02 02:57:14
Local clock offset: -6.946 ms
Remote clock offset: 14.586 ms

```
# Below is generated by plot.py at 2018-08-02 04:05:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 77.421 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 76.973 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 77.691 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 78.080 ms
Loss rate: 1.98%
```


Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-02 03:17:46

End at: 2018-08-02 03:18:16

Local clock offset: -7.378 ms

Remote clock offset: 8.458 ms

Below is generated by plot.py at 2018-08-02 04:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 84.922 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 85.283 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 82.955 ms

Loss rate: 0.69%

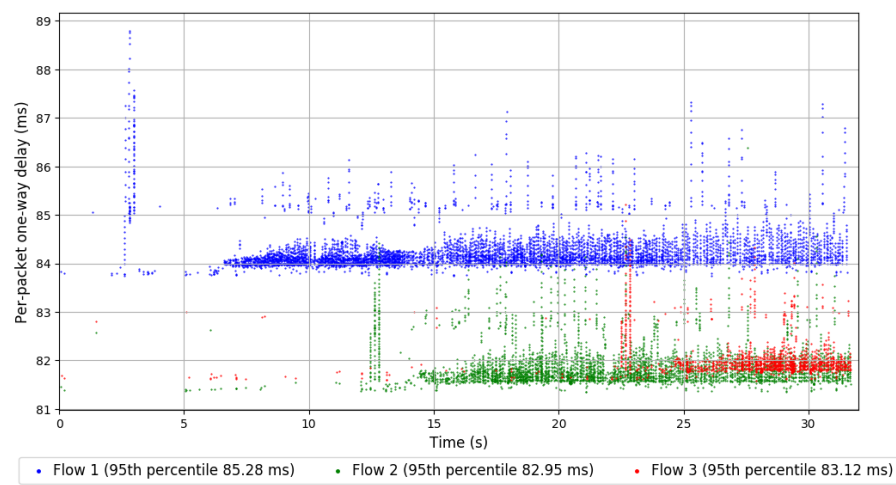
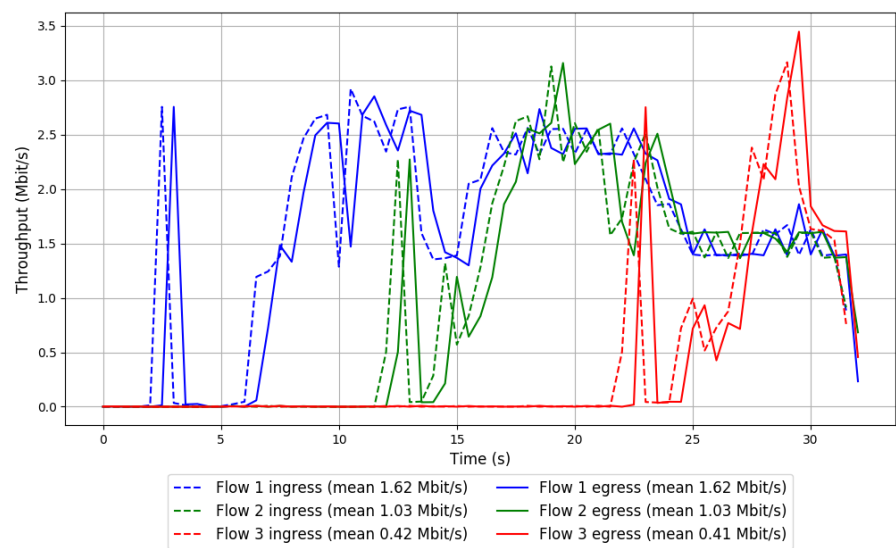
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 83.125 ms

Loss rate: 1.72%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-02 03:39:02
End at: 2018-08-02 03:39:32
Local clock offset: -7.246 ms
Remote clock offset: -2.308 ms

Below is generated by plot.py at 2018-08-02 04:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 86.267 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 86.247 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 86.462 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 84.273 ms
Loss rate: 1.76%

Run 10: Report of WebRTC media — Data Link

