

Pantheon Report

Generated at 2018-07-10 10:45:30 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

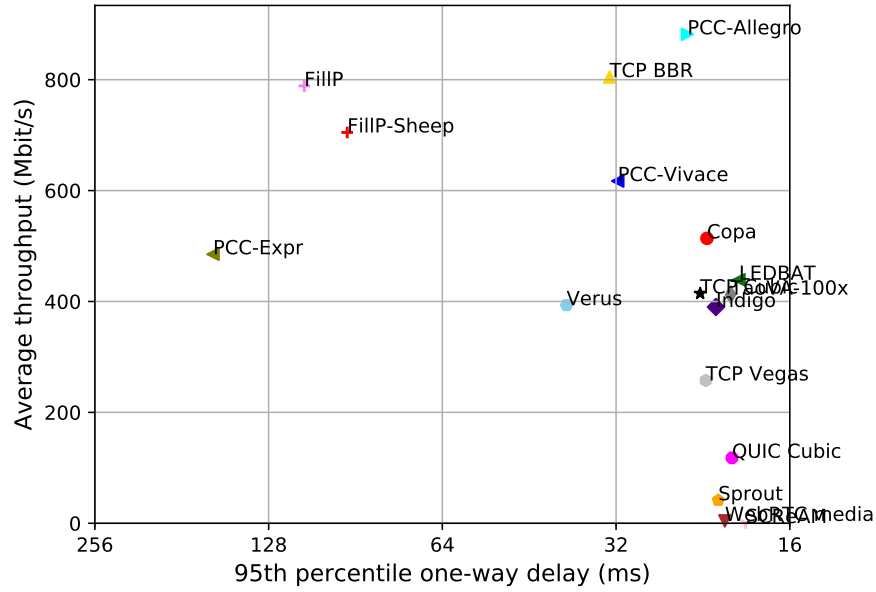
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

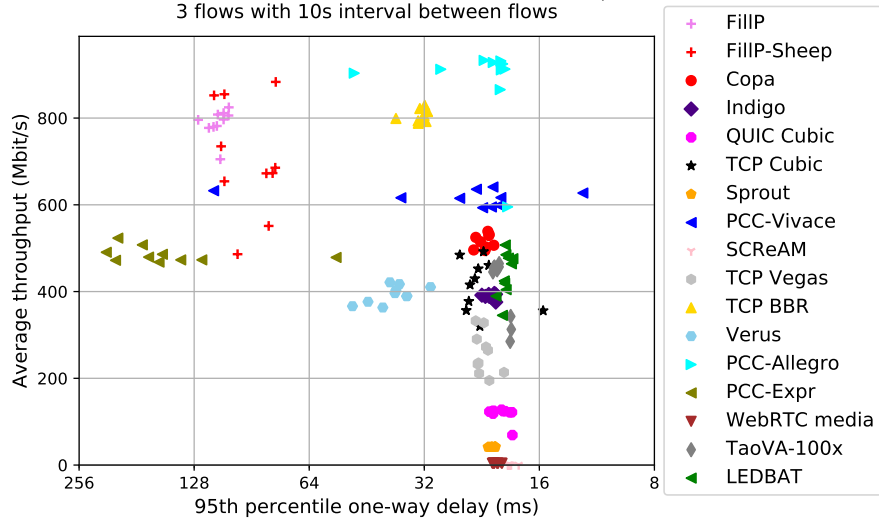
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS California 1 to Stanford, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 1 to Stanford, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



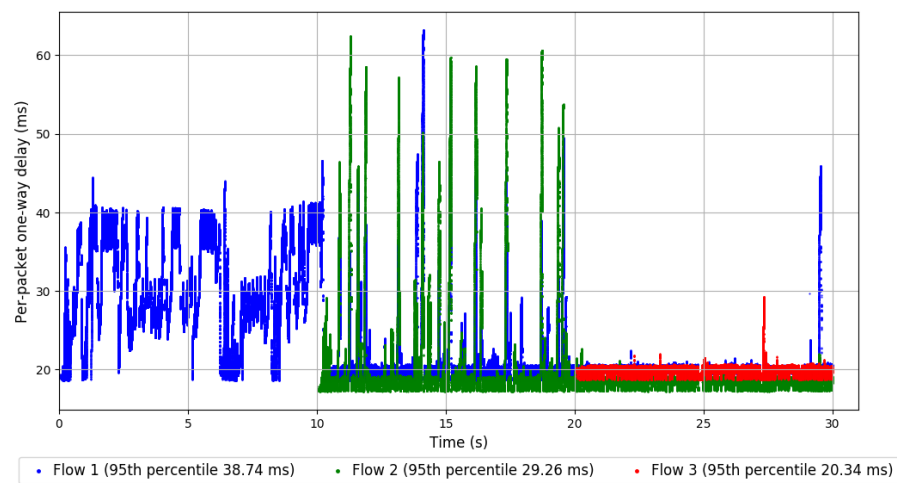
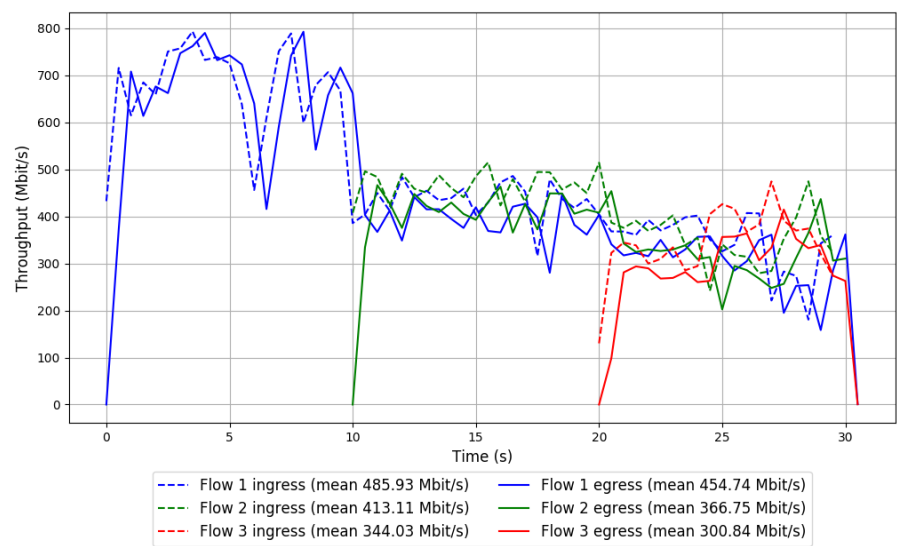
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	470.75	355.90	291.29	33.88	26.07	20.49	5.55	9.92	12.05
Copa	10	280.90	243.74	227.88	21.80	21.93	24.01	0.05	0.12	0.15
TCP Cubic	10	228.83	167.00	223.77	22.92	21.22	23.16	0.13	0.16	0.17
FillP	10	438.50	373.75	305.69	105.51	112.50	109.27	10.85	17.06	18.24
FillP-Sheep	10	392.40	263.78	413.30	86.20	104.54	101.20	14.02	23.07	17.53
Indigo	10	197.10	197.39	190.80	21.97	20.87	21.10	0.09	0.11	0.14
LEDBAT	10	266.18	193.13	133.32	19.56	19.45	19.40	0.03	0.05	0.08
PCC-Allegro	10	685.86	237.56	115.48	24.69	19.71	19.48	0.69	0.56	0.64
PCC-Expr	10	295.07	243.63	85.09	139.41	144.84	24.20	1.56	2.04	0.14
QUIC Cubic	10	59.80	61.25	53.08	19.36	19.84	22.09	0.02	0.04	0.02
SCReAM	10	0.22	0.22	0.22	18.79	18.98	18.54	0.01	0.00	0.00
Sprout	10	20.76	20.84	20.88	21.21	21.30	20.91	0.08	0.18	0.04
TaoVA-100x	10	183.95	236.10	214.01	19.65	20.10	21.33	0.10	0.04	0.03
TCP Vegas	10	120.39	131.47	149.17	21.44	22.28	23.00	0.10	0.15	0.16
Verus	10	199.79	198.38	185.63	42.51	39.76	31.42	21.50	21.28	23.45
PCC-Vivace	10	366.93	322.03	109.22	22.11	41.89	53.12	0.34	1.12	1.62
WebRTC media	10	2.16	1.51	0.58	20.45	20.71	21.29	0.09	0.10	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 03:45:32
End at: 2018-07-10 03:46:02
Local clock offset: 0.552 ms
Remote clock offset: -6.978 ms

Below is generated by plot.py at 2018-07-10 08:37:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.11 Mbit/s
95th percentile per-packet one-way delay: 37.959 ms
Loss rate: 8.73%
-- Flow 1:
Average throughput: 454.74 Mbit/s
95th percentile per-packet one-way delay: 38.745 ms
Loss rate: 6.42%
-- Flow 2:
Average throughput: 366.75 Mbit/s
95th percentile per-packet one-way delay: 29.257 ms
Loss rate: 11.22%
-- Flow 3:
Average throughput: 300.84 Mbit/s
95th percentile per-packet one-way delay: 20.340 ms
Loss rate: 12.55%

Run 1: Report of TCP BBR — Data Link

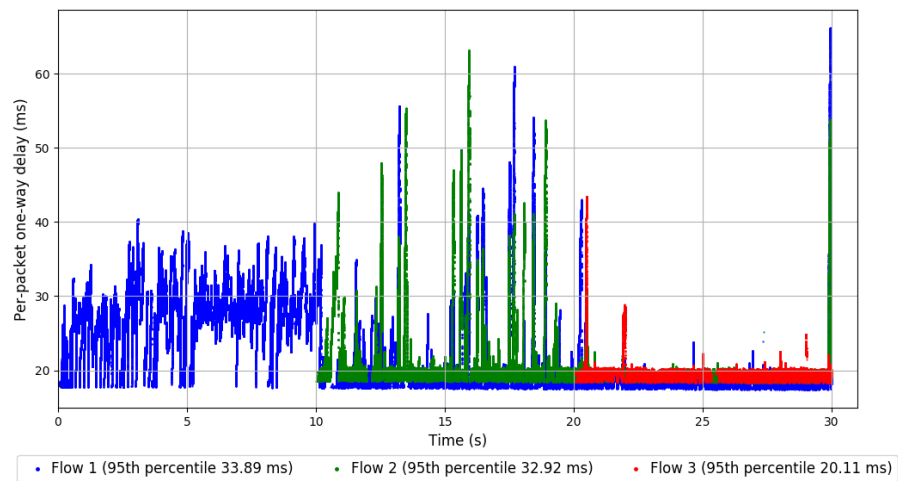
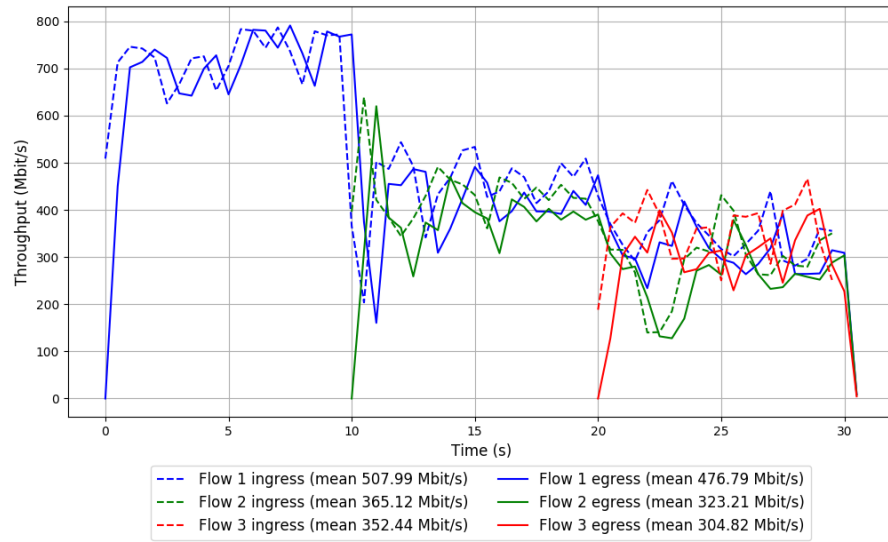


Run 2: Statistics of TCP BBR

Start at: 2018-07-10 04:12:40
End at: 2018-07-10 04:13:10
Local clock offset: 0.11 ms
Remote clock offset: -9.141 ms

Below is generated by plot.py at 2018-07-10 08:37:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 793.58 Mbit/s
95th percentile per-packet one-way delay: 33.207 ms
Loss rate: 8.63%
-- Flow 1:
Average throughput: 476.79 Mbit/s
95th percentile per-packet one-way delay: 33.889 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 323.21 Mbit/s
95th percentile per-packet one-way delay: 32.921 ms
Loss rate: 11.48%
-- Flow 3:
Average throughput: 304.82 Mbit/s
95th percentile per-packet one-way delay: 20.114 ms
Loss rate: 13.50%

Run 2: Report of TCP BBR — Data Link

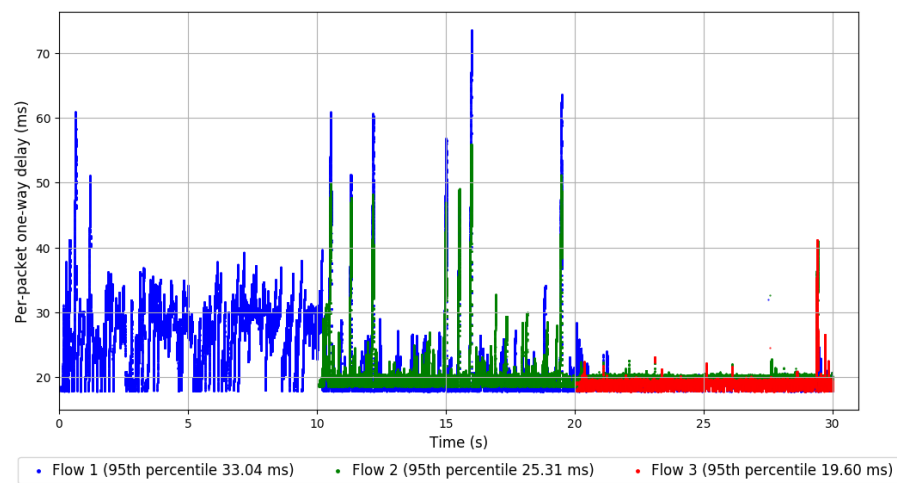
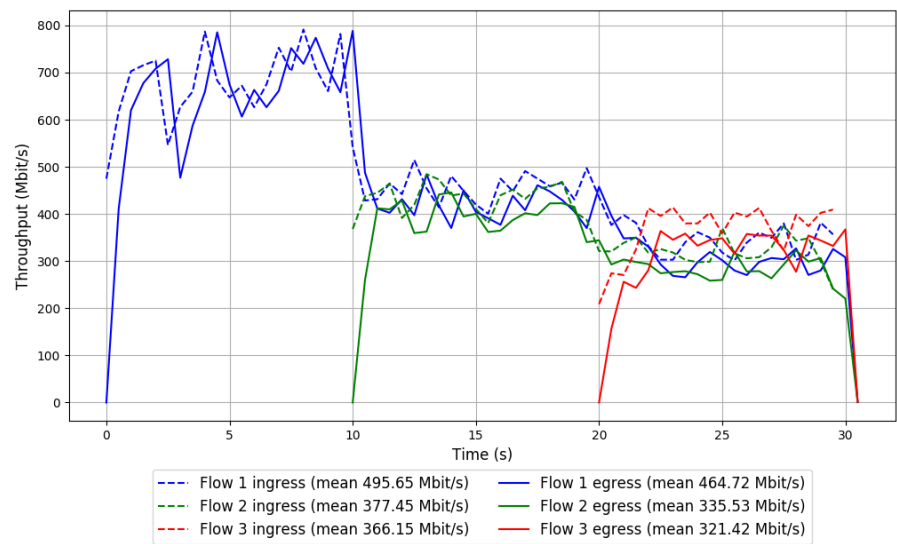


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 04:39:56
End at: 2018-07-10 04:40:26
Local clock offset: -0.062 ms
Remote clock offset: -2.121 ms

Below is generated by plot.py at 2018-07-10 08:37:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.12 Mbit/s
95th percentile per-packet one-way delay: 32.062 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 464.72 Mbit/s
95th percentile per-packet one-way delay: 33.043 ms
Loss rate: 6.23%
-- Flow 2:
Average throughput: 335.53 Mbit/s
95th percentile per-packet one-way delay: 25.309 ms
Loss rate: 11.12%
-- Flow 3:
Average throughput: 321.42 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 12.21%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-10 05:07:13

End at: 2018-07-10 05:07:43

Local clock offset: -0.074 ms

Remote clock offset: 1.179 ms

Below is generated by plot.py at 2018-07-10 08:37:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 787.98 Mbit/s

95th percentile per-packet one-way delay: 33.165 ms

Loss rate: 6.96%

-- Flow 1:

Average throughput: 468.15 Mbit/s

95th percentile per-packet one-way delay: 33.952 ms

Loss rate: 5.30%

-- Flow 2:

Average throughput: 342.18 Mbit/s

95th percentile per-packet one-way delay: 24.761 ms

Loss rate: 8.96%

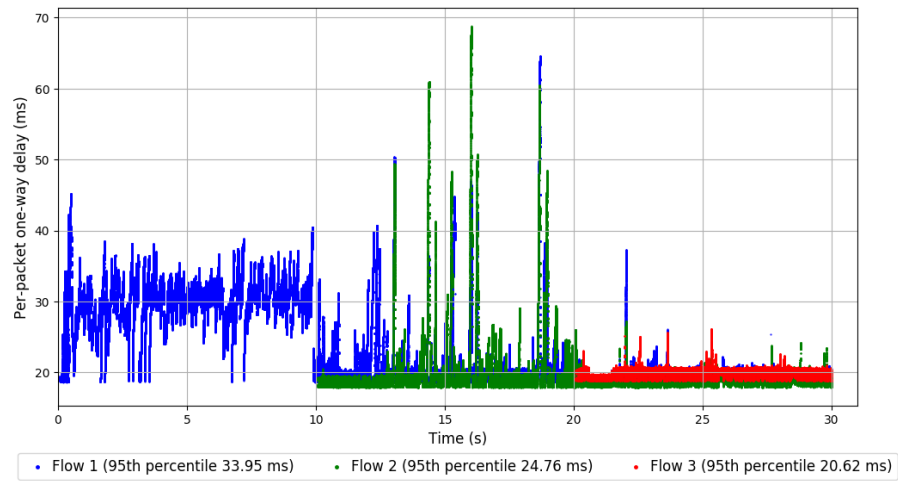
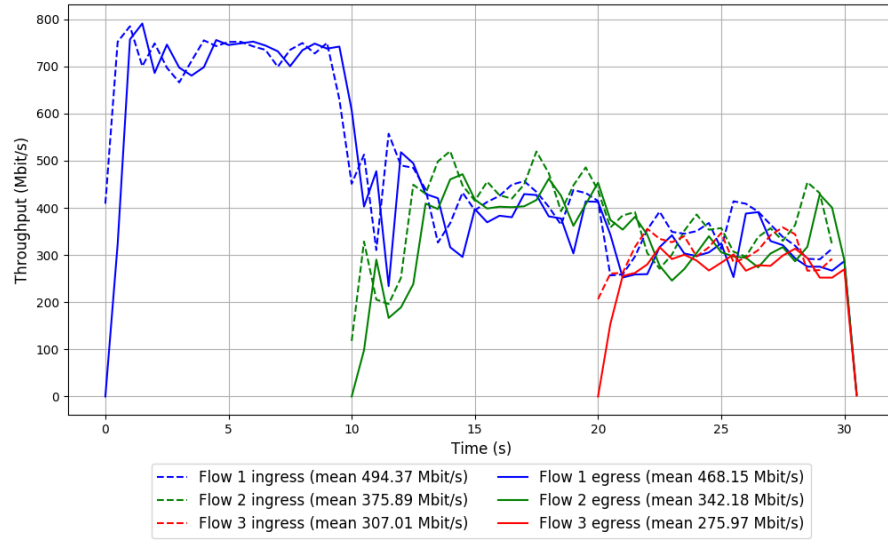
-- Flow 3:

Average throughput: 275.97 Mbit/s

95th percentile per-packet one-way delay: 20.619 ms

Loss rate: 10.11%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 05:34:33

End at: 2018-07-10 05:35:03

Local clock offset: -0.053 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-07-10 08:37:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 805.99 Mbit/s

95th percentile per-packet one-way delay: 32.084 ms

Loss rate: 7.53%

-- Flow 1:

Average throughput: 467.44 Mbit/s

95th percentile per-packet one-way delay: 33.211 ms

Loss rate: 5.23%

-- Flow 2:

Average throughput: 359.30 Mbit/s

95th percentile per-packet one-way delay: 25.140 ms

Loss rate: 9.95%

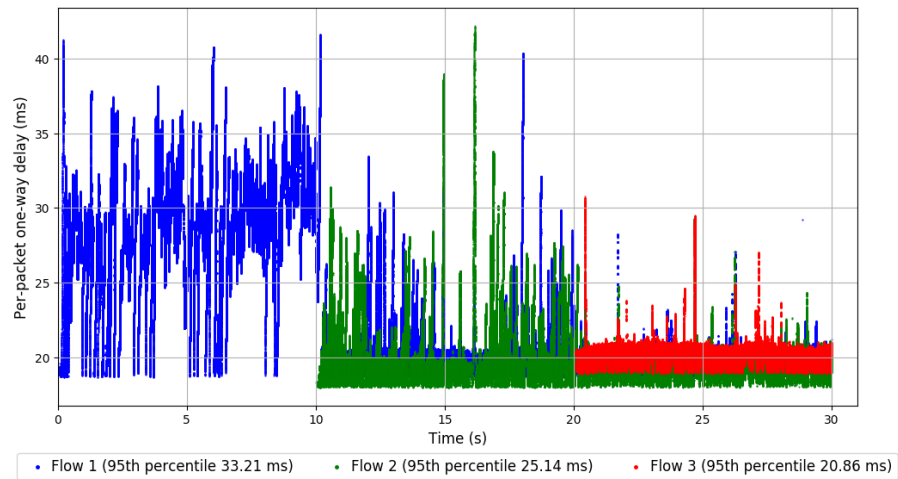
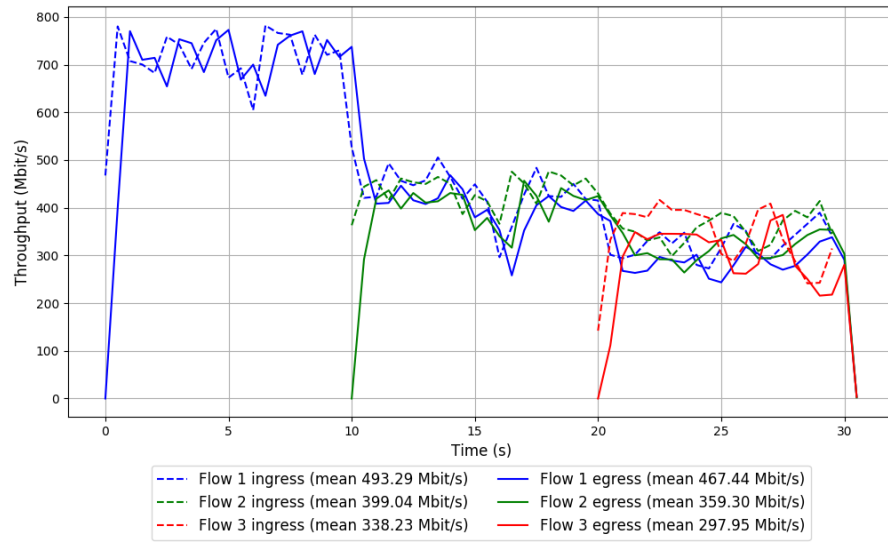
-- Flow 3:

Average throughput: 297.95 Mbit/s

95th percentile per-packet one-way delay: 20.855 ms

Loss rate: 11.91%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-10 06:01:51

End at: 2018-07-10 06:02:21

Local clock offset: 0.068 ms

Remote clock offset: 1.979 ms

Below is generated by plot.py at 2018-07-10 08:37:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 822.03 Mbit/s

95th percentile per-packet one-way delay: 32.871 ms

Loss rate: 6.68%

-- Flow 1:

Average throughput: 479.82 Mbit/s

95th percentile per-packet one-way delay: 34.159 ms

Loss rate: 4.88%

-- Flow 2:

Average throughput: 397.48 Mbit/s

95th percentile per-packet one-way delay: 24.793 ms

Loss rate: 8.34%

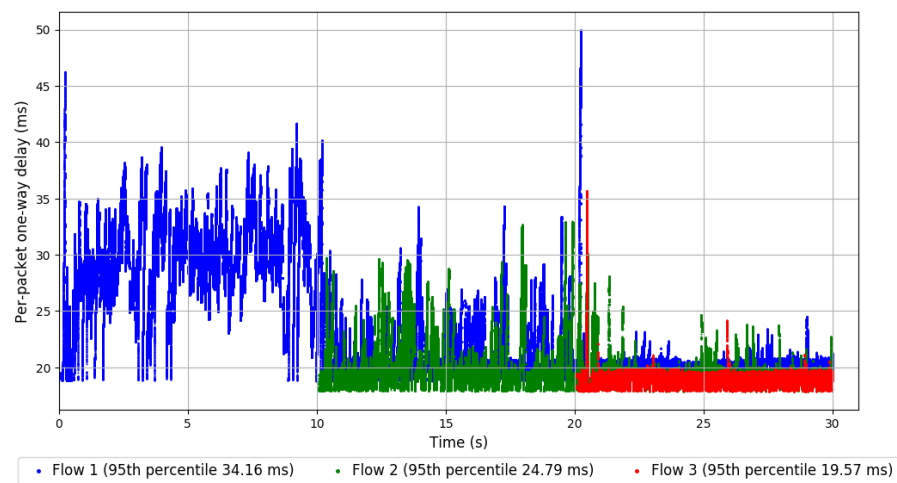
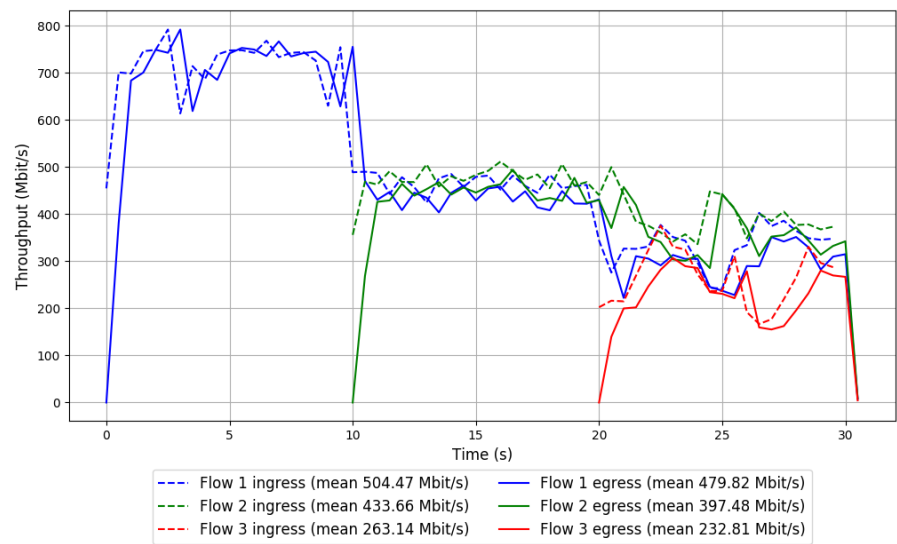
-- Flow 3:

Average throughput: 232.81 Mbit/s

95th percentile per-packet one-way delay: 19.567 ms

Loss rate: 11.54%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-10 06:28:53

End at: 2018-07-10 06:29:23

Local clock offset: 0.132 ms

Remote clock offset: 4.069 ms

Below is generated by plot.py at 2018-07-10 08:37:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 829.41 Mbit/s

95th percentile per-packet one-way delay: 31.912 ms

Loss rate: 7.25%

-- Flow 1:

Average throughput: 476.24 Mbit/s

95th percentile per-packet one-way delay: 32.893 ms

Loss rate: 4.83%

-- Flow 2:

Average throughput: 382.29 Mbit/s

95th percentile per-packet one-way delay: 25.900 ms

Loss rate: 9.44%

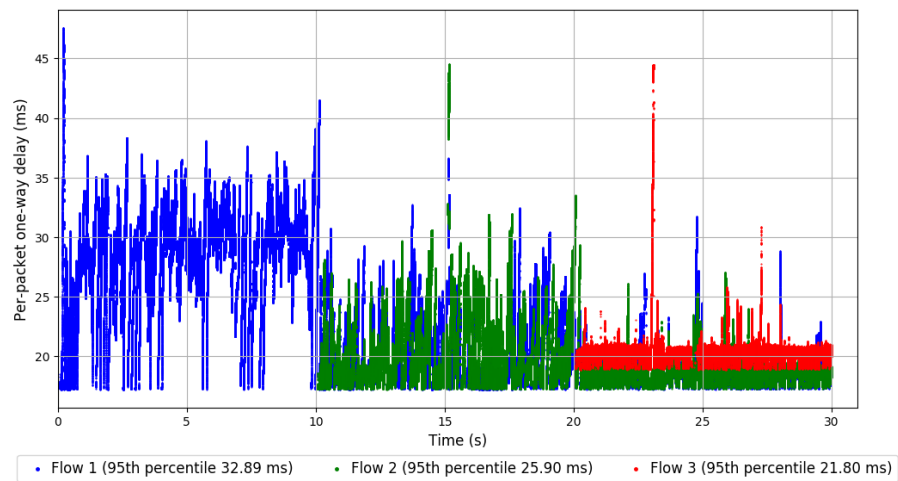
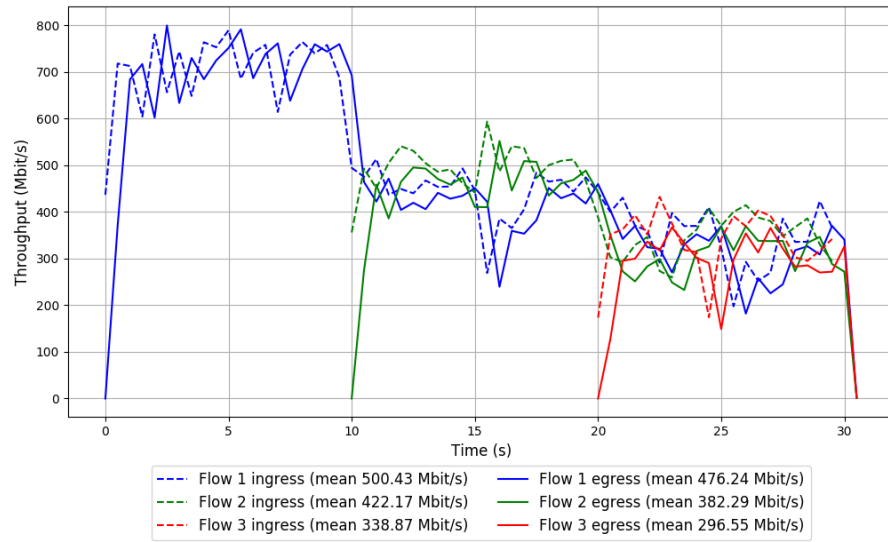
-- Flow 3:

Average throughput: 296.55 Mbit/s

95th percentile per-packet one-way delay: 21.805 ms

Loss rate: 12.49%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-10 06:56:25

End at: 2018-07-10 06:56:55

Local clock offset: 0.147 ms

Remote clock offset: 3.696 ms

Below is generated by plot.py at 2018-07-10 08:37:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 815.14 Mbit/s

95th percentile per-packet one-way delay: 31.382 ms

Loss rate: 7.07%

-- Flow 1:

Average throughput: 474.10 Mbit/s

95th percentile per-packet one-way delay: 32.455 ms

Loss rate: 5.10%

-- Flow 2:

Average throughput: 377.54 Mbit/s

95th percentile per-packet one-way delay: 24.800 ms

Loss rate: 8.86%

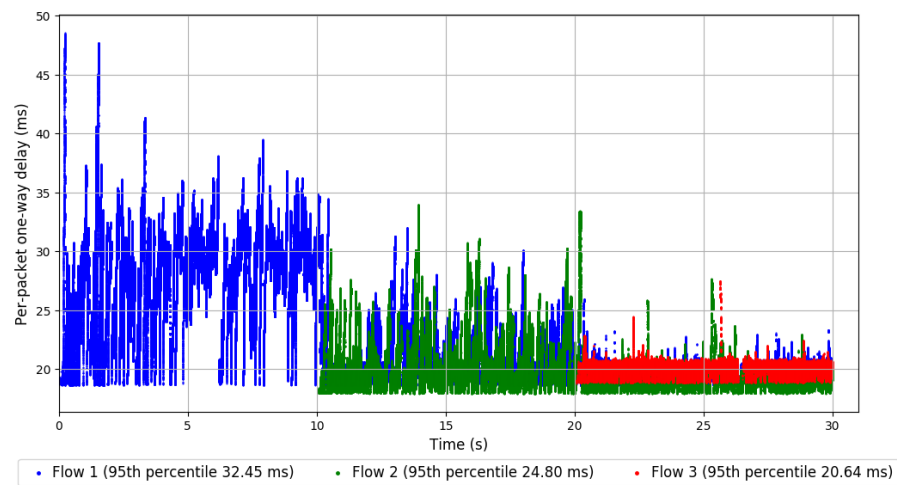
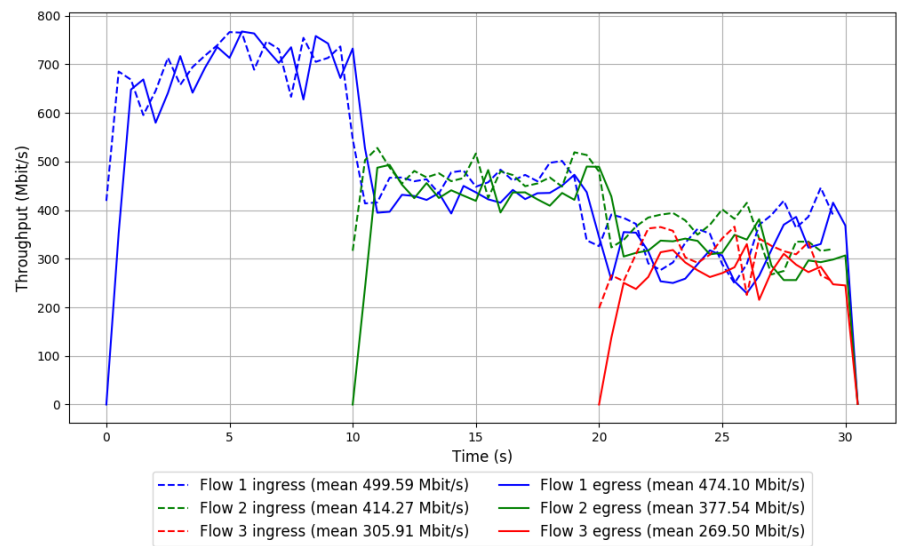
-- Flow 3:

Average throughput: 269.50 Mbit/s

95th percentile per-packet one-way delay: 20.637 ms

Loss rate: 11.89%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-10 07:23:47

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

Local clock offset: 0.403 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-10 08:46:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 792.10 Mbit/s

95th percentile per-packet one-way delay: 31.670 ms

Loss rate: 7.75%

-- Flow 1:

Average throughput: 458.19 Mbit/s

95th percentile per-packet one-way delay: 33.236 ms

Loss rate: 5.82%

-- Flow 2:

Average throughput: 341.30 Mbit/s

95th percentile per-packet one-way delay: 25.438 ms

Loss rate: 9.83%

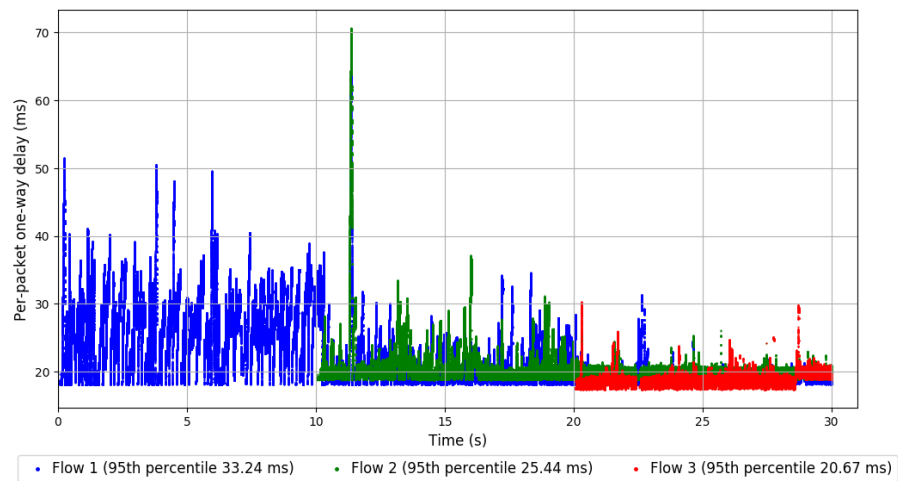
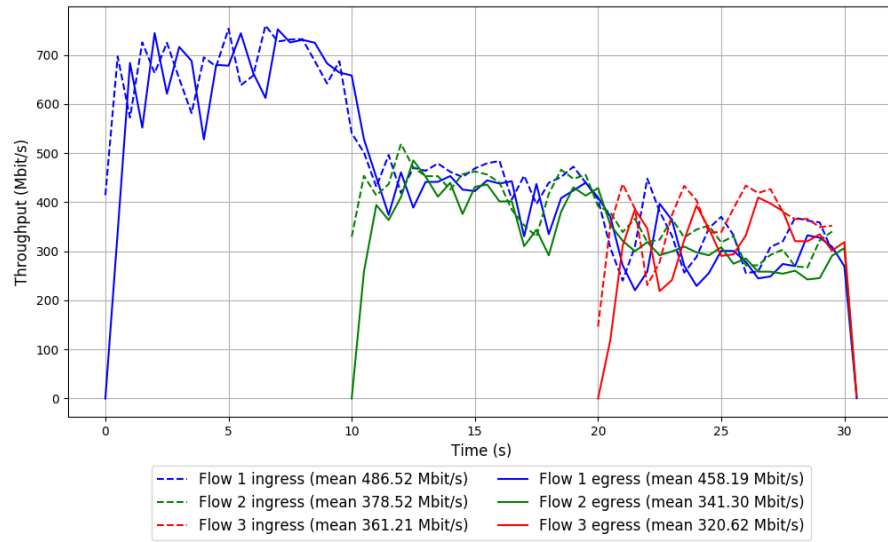
-- Flow 3:

Average throughput: 320.62 Mbit/s

95th percentile per-packet one-way delay: 20.666 ms

Loss rate: 11.23%

Run 9: Report of TCP BBR — Data Link

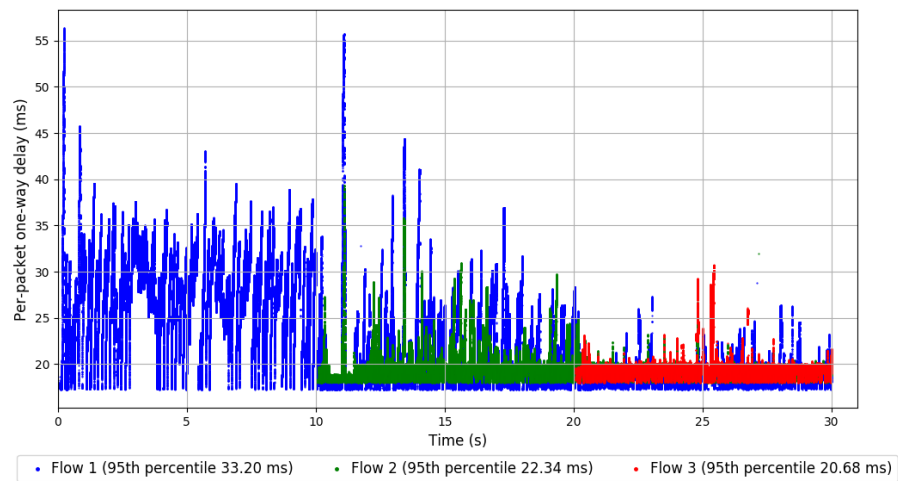
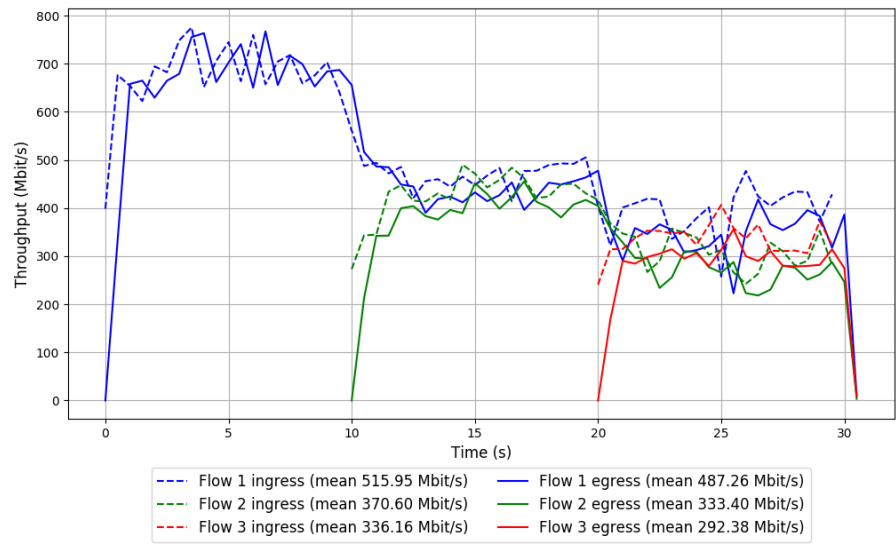


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 07:50:51
End at: 2018-07-10 07:51:21
Local clock offset: 0.733 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-10 08:46:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 806.56 Mbit/s
95th percentile per-packet one-way delay: 32.081 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 487.26 Mbit/s
95th percentile per-packet one-way delay: 33.204 ms
Loss rate: 5.56%
-- Flow 2:
Average throughput: 333.40 Mbit/s
95th percentile per-packet one-way delay: 22.340 ms
Loss rate: 10.03%
-- Flow 3:
Average throughput: 292.38 Mbit/s
95th percentile per-packet one-way delay: 20.678 ms
Loss rate: 13.03%

Run 10: Report of TCP BBR — Data Link

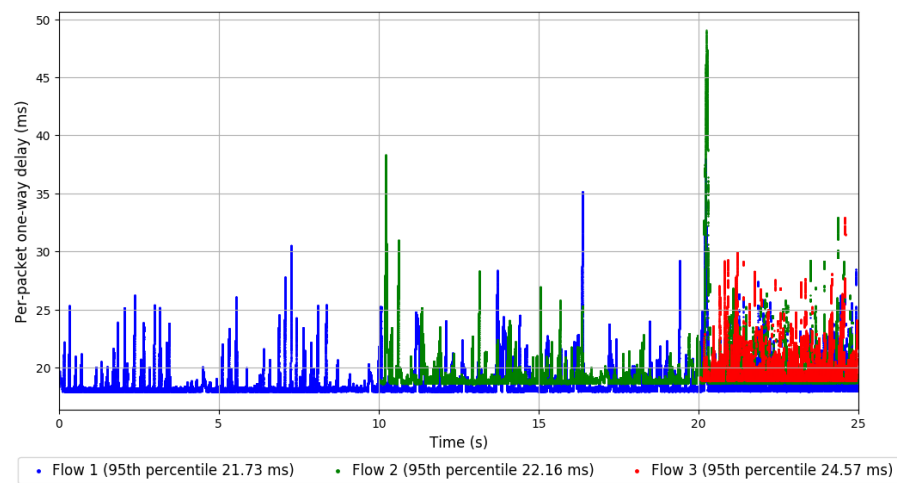
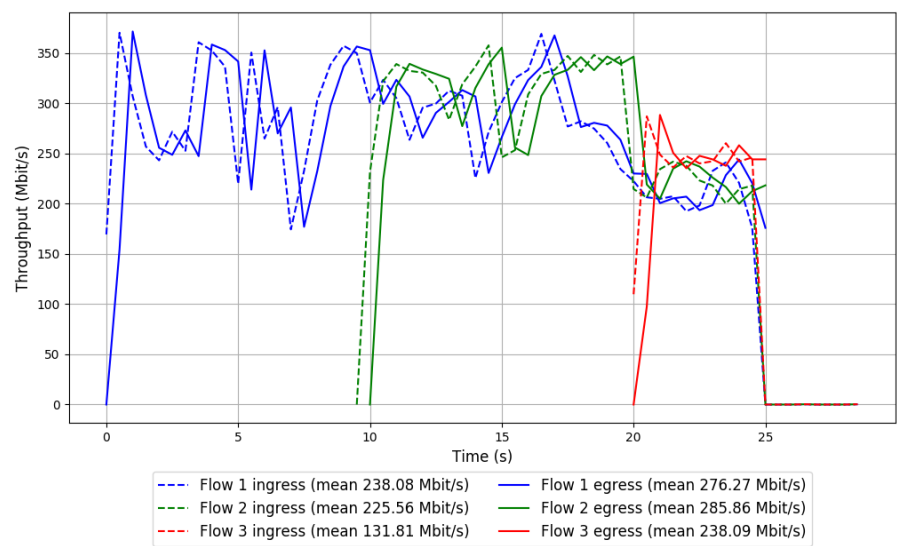


Run 1: Statistics of Copa

Start at: 2018-07-10 03:38:41
End at: 2018-07-10 03:39:11
Local clock offset: 0.654 ms
Remote clock offset: -6.325 ms

Below is generated by plot.py at 2018-07-10 08:46:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.64 Mbit/s
95th percentile per-packet one-way delay: 22.200 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 276.27 Mbit/s
95th percentile per-packet one-way delay: 21.725 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 285.86 Mbit/s
95th percentile per-packet one-way delay: 22.158 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 238.09 Mbit/s
95th percentile per-packet one-way delay: 24.573 ms
Loss rate: 0.53%

Run 1: Report of Copa — Data Link

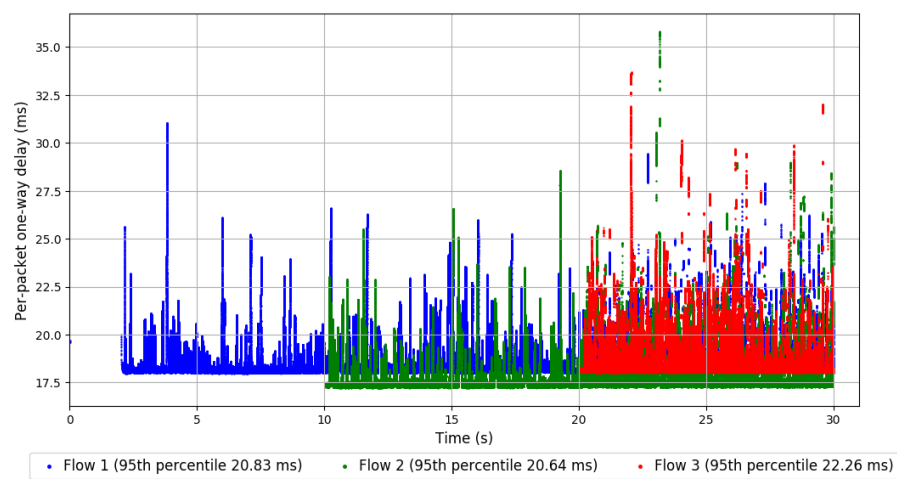
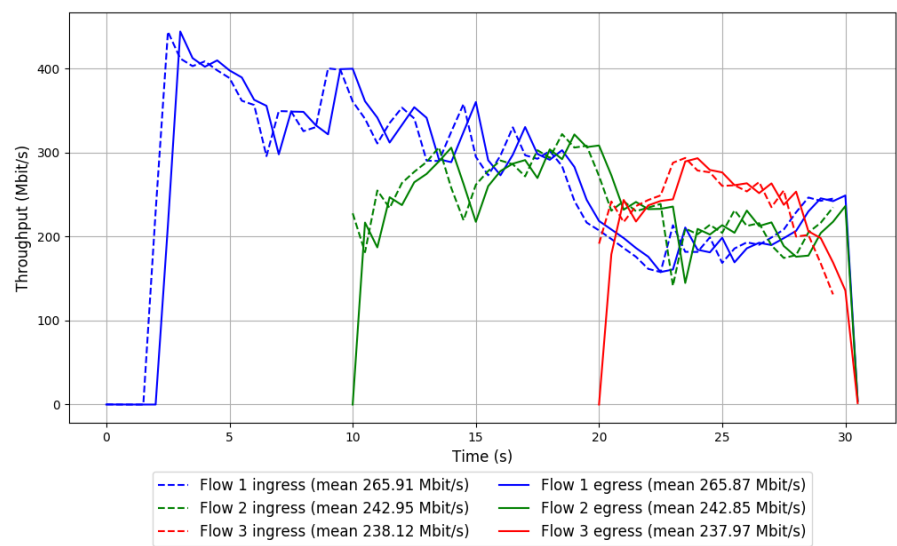


Run 2: Statistics of Copa

Start at: 2018-07-10 04:05:45
End at: 2018-07-10 04:06:15
Local clock offset: 0.174 ms
Remote clock offset: -8.621 ms

Below is generated by plot.py at 2018-07-10 08:48:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.72 Mbit/s
95th percentile per-packet one-way delay: 21.050 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 265.87 Mbit/s
95th percentile per-packet one-way delay: 20.827 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 242.85 Mbit/s
95th percentile per-packet one-way delay: 20.644 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 237.97 Mbit/s
95th percentile per-packet one-way delay: 22.257 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

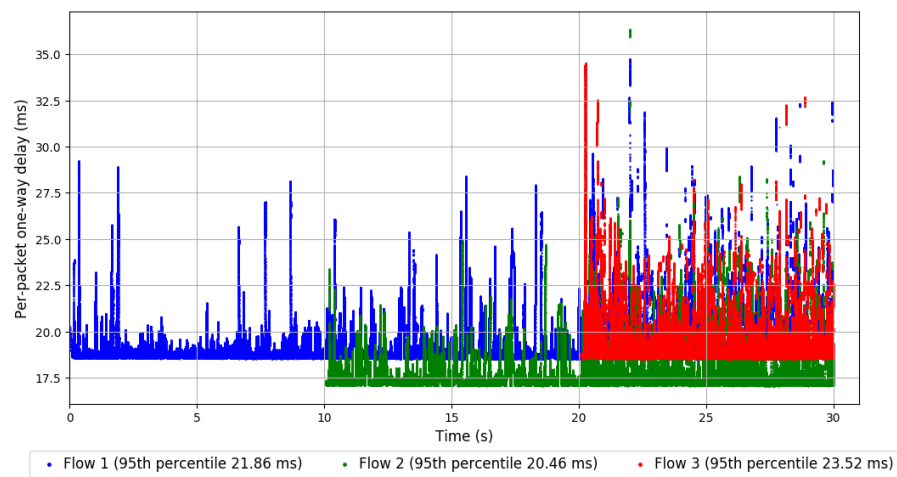
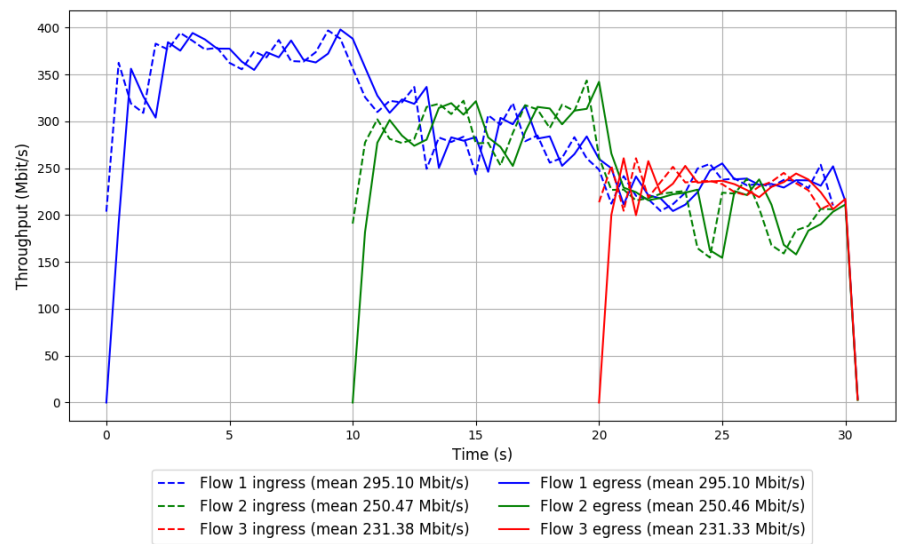


Run 3: Statistics of Copa

Start at: 2018-07-10 04:33:01
End at: 2018-07-10 04:33:31
Local clock offset: -0.02 ms
Remote clock offset: -2.695 ms

Below is generated by plot.py at 2018-07-10 08:49:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.83 Mbit/s
95th percentile per-packet one-way delay: 21.820 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 295.10 Mbit/s
95th percentile per-packet one-way delay: 21.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.46 Mbit/s
95th percentile per-packet one-way delay: 20.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 231.33 Mbit/s
95th percentile per-packet one-way delay: 23.524 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-10 05:00:18

End at: 2018-07-10 05:00:48

Local clock offset: -0.069 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2018-07-10 08:49:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 531.59 Mbit/s

95th percentile per-packet one-way delay: 21.643 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 294.65 Mbit/s

95th percentile per-packet one-way delay: 20.849 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 249.53 Mbit/s

95th percentile per-packet one-way delay: 22.035 ms

Loss rate: 0.03%

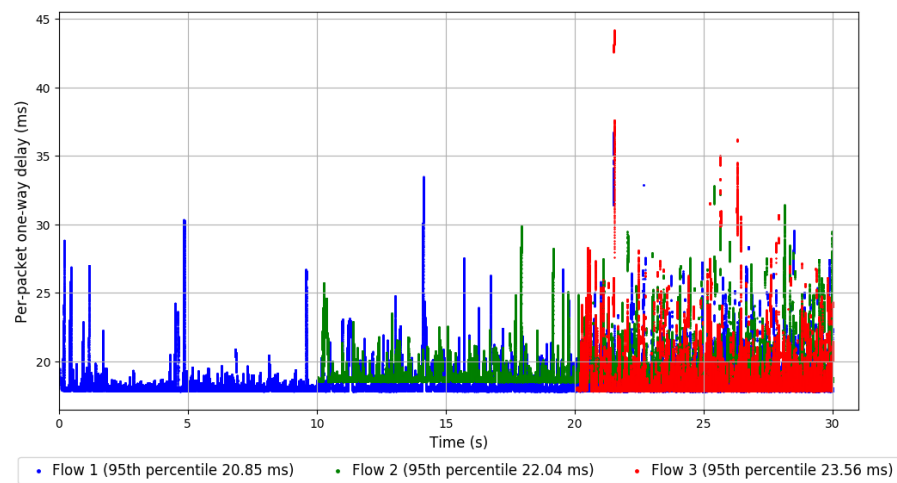
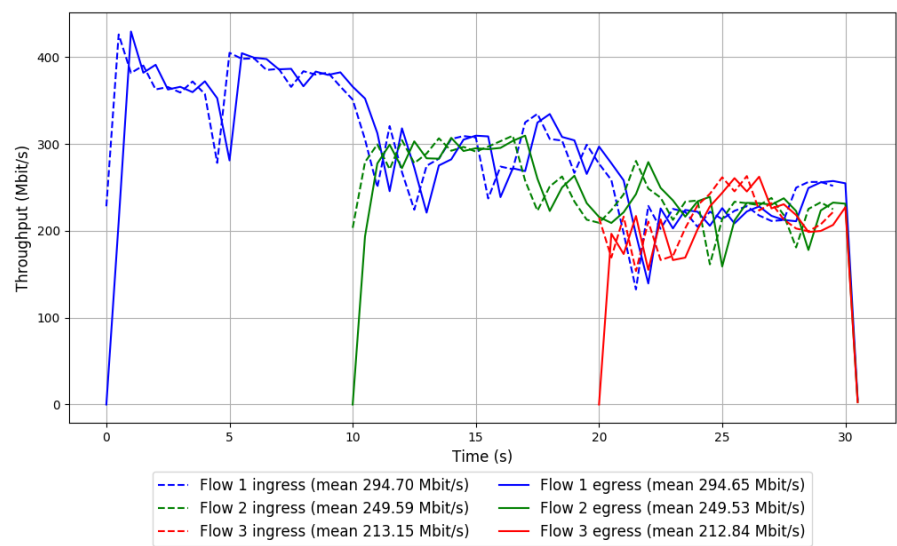
-- Flow 3:

Average throughput: 212.84 Mbit/s

95th percentile per-packet one-way delay: 23.563 ms

Loss rate: 0.12%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-10 05:27:38

End at: 2018-07-10 05:28:08

Local clock offset: -0.048 ms

Remote clock offset: 1.098 ms

Below is generated by plot.py at 2018-07-10 08:49:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 529.25 Mbit/s

95th percentile per-packet one-way delay: 21.698 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 292.55 Mbit/s

95th percentile per-packet one-way delay: 21.503 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 236.60 Mbit/s

95th percentile per-packet one-way delay: 20.708 ms

Loss rate: 0.01%

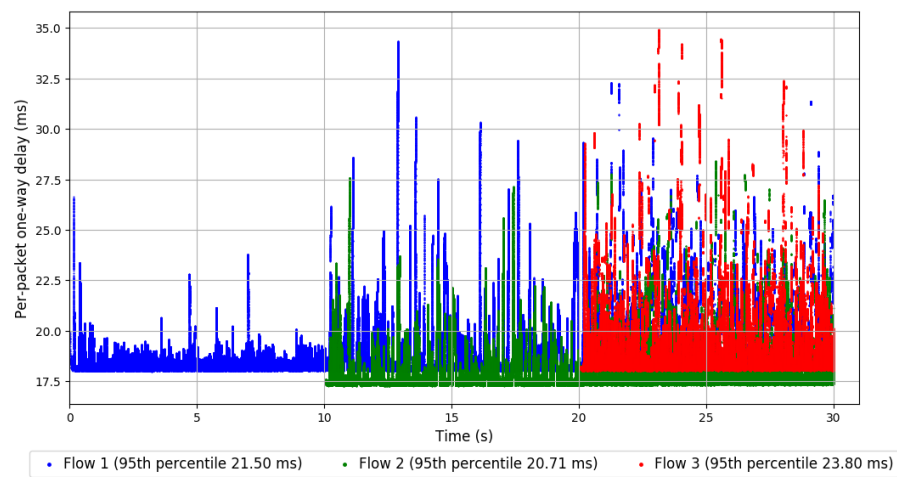
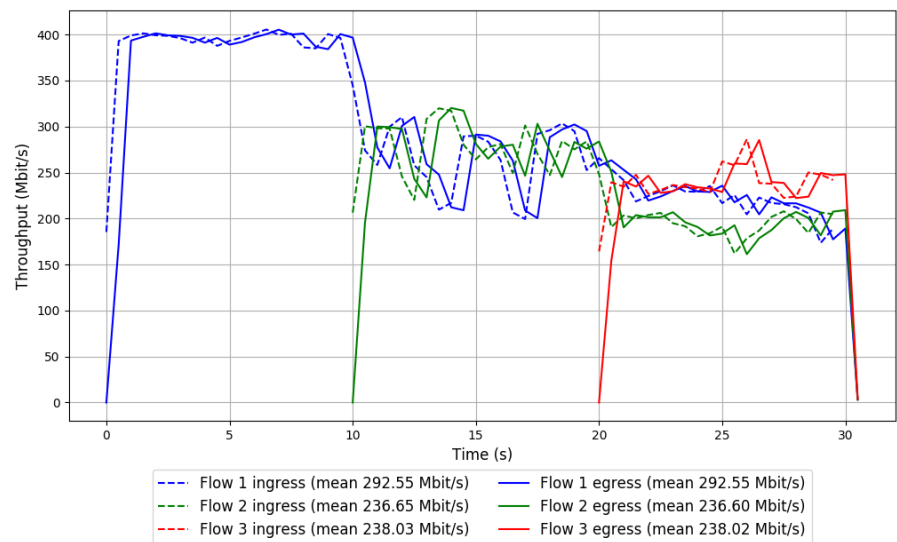
-- Flow 3:

Average throughput: 238.02 Mbit/s

95th percentile per-packet one-way delay: 23.796 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

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

End at: 2018-07-10 05:55:35

Local clock offset: 0.021 ms

Remote clock offset: 0.547 ms

Below is generated by plot.py at 2018-07-10 08:49:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.18 Mbit/s

95th percentile per-packet one-way delay: 22.137 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 273.16 Mbit/s

95th percentile per-packet one-way delay: 21.948 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 234.27 Mbit/s

95th percentile per-packet one-way delay: 21.720 ms

Loss rate: 0.04%

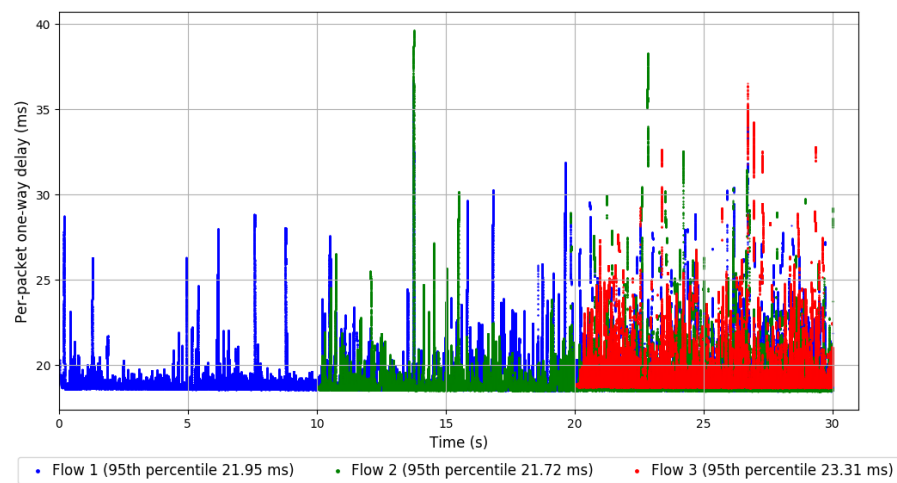
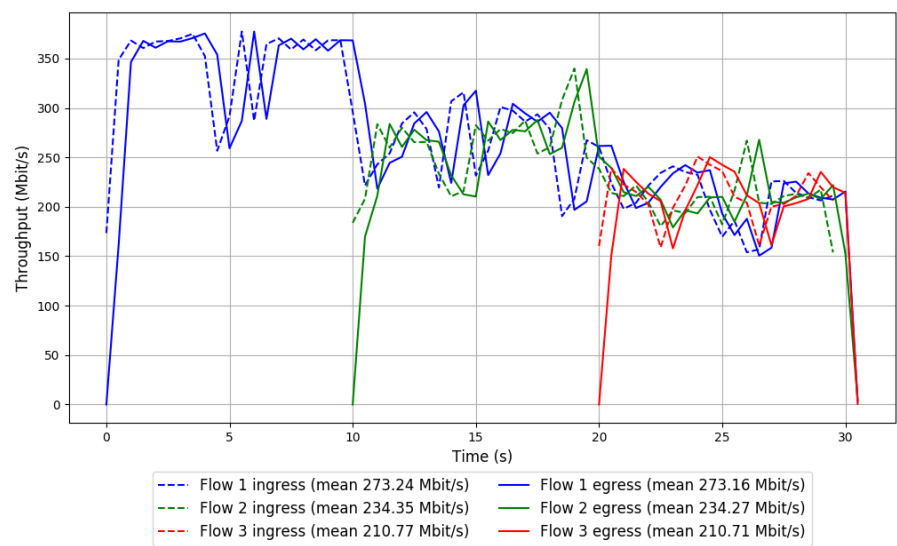
-- Flow 3:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 23.307 ms

Loss rate: 0.03%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-10 06:21:59

End at: 2018-07-10 06:22:29

Local clock offset: 0.131 ms

Remote clock offset: 3.635 ms

Below is generated by plot.py at 2018-07-10 08:57:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 502.67 Mbit/s

95th percentile per-packet one-way delay: 22.083 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 263.89 Mbit/s

95th percentile per-packet one-way delay: 22.223 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 244.07 Mbit/s

95th percentile per-packet one-way delay: 20.779 ms

Loss rate: 0.31%

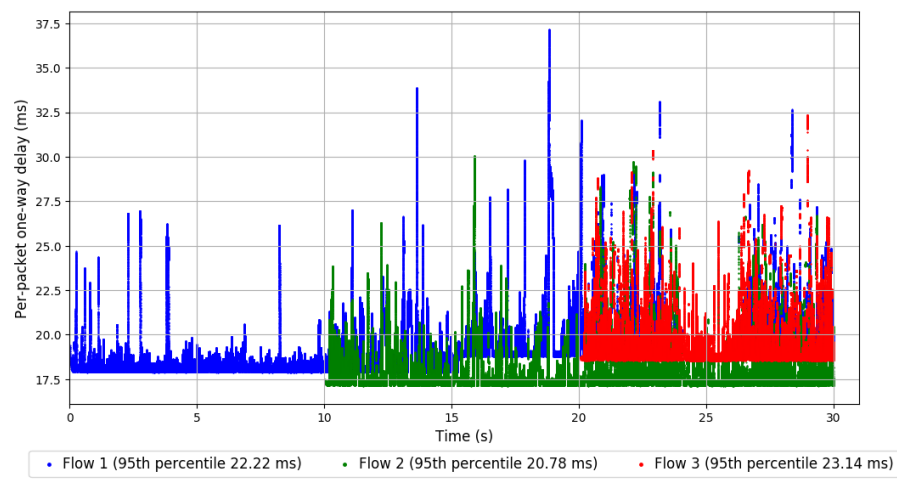
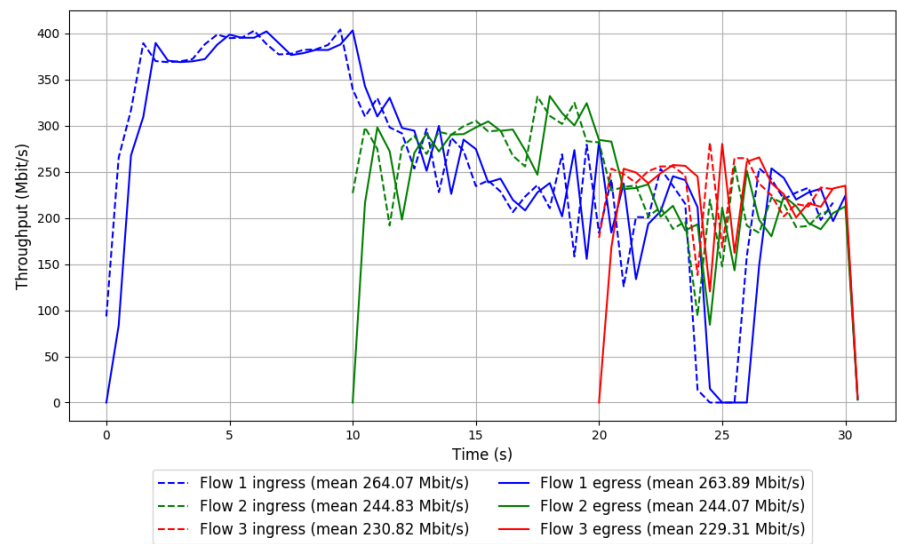
-- Flow 3:

Average throughput: 229.31 Mbit/s

95th percentile per-packet one-way delay: 23.137 ms

Loss rate: 0.66%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-10 06:49:32

End at: 2018-07-10 06:50:02

Local clock offset: 0.146 ms

Remote clock offset: 3.531 ms

Below is generated by plot.py at 2018-07-10 08:58:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.98 Mbit/s

95th percentile per-packet one-way delay: 23.758 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 275.98 Mbit/s

95th percentile per-packet one-way delay: 22.818 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 215.09 Mbit/s

95th percentile per-packet one-way delay: 24.087 ms

Loss rate: 0.42%

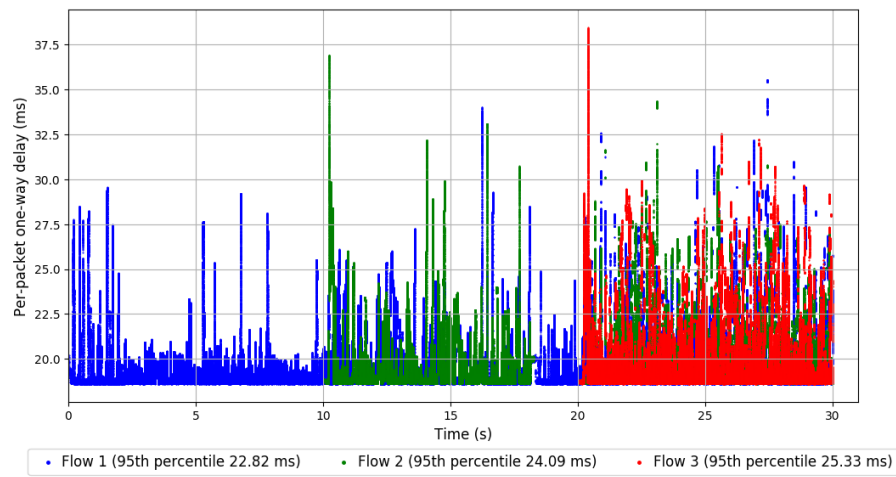
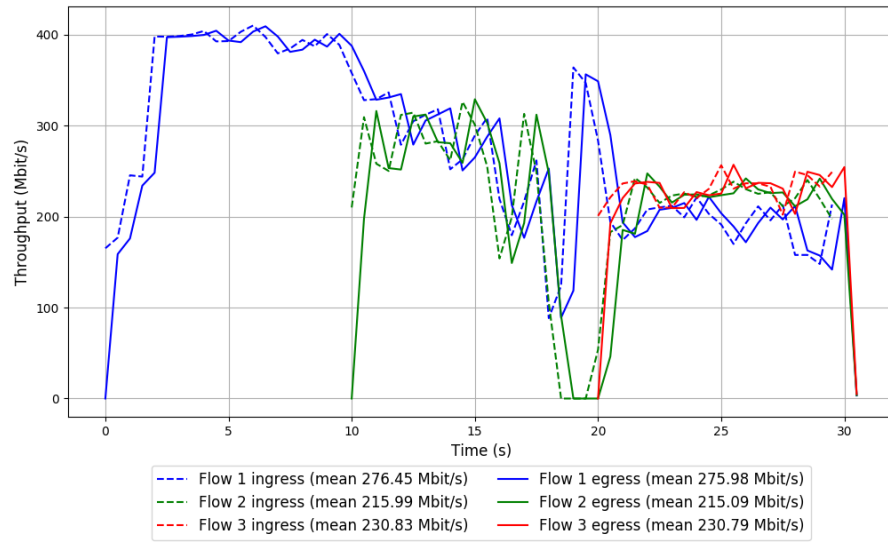
-- Flow 3:

Average throughput: 230.79 Mbit/s

95th percentile per-packet one-way delay: 25.331 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-10 07:16:52

End at: 2018-07-10 07:17:22

Local clock offset: 0.296 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-07-10 08:58:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 524.93 Mbit/s

95th percentile per-packet one-way delay: 23.464 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 288.41 Mbit/s

95th percentile per-packet one-way delay: 22.470 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 238.10 Mbit/s

95th percentile per-packet one-way delay: 23.387 ms

Loss rate: 0.01%

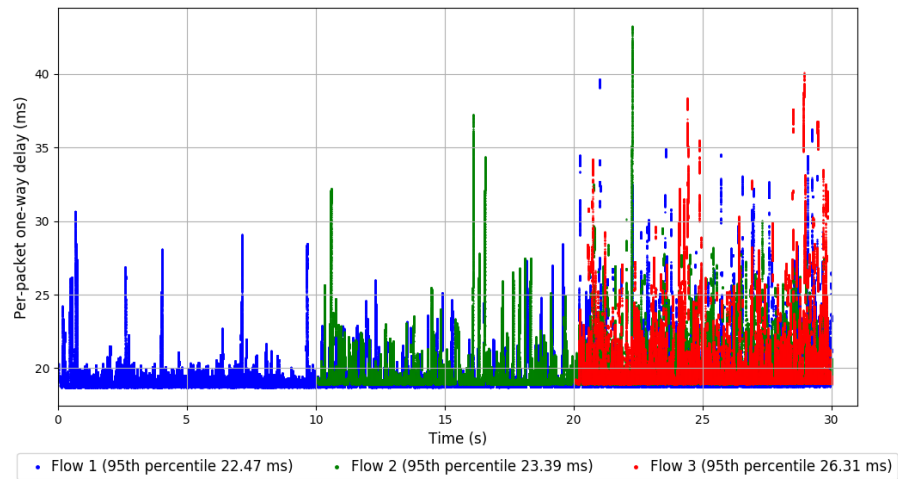
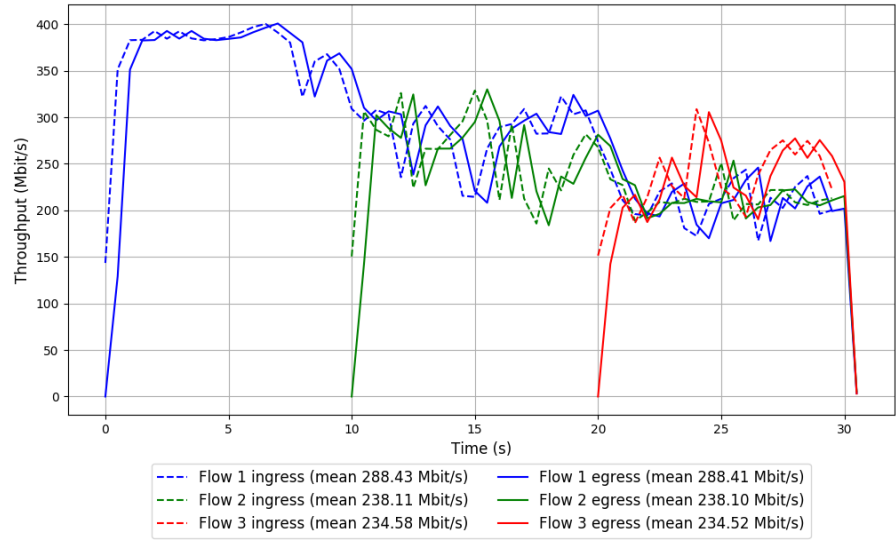
-- Flow 3:

Average throughput: 234.52 Mbit/s

95th percentile per-packet one-way delay: 26.306 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link

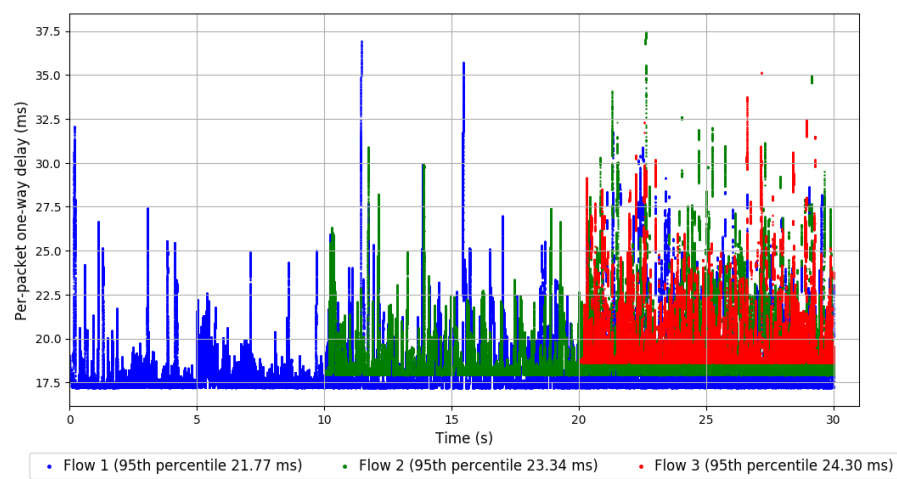
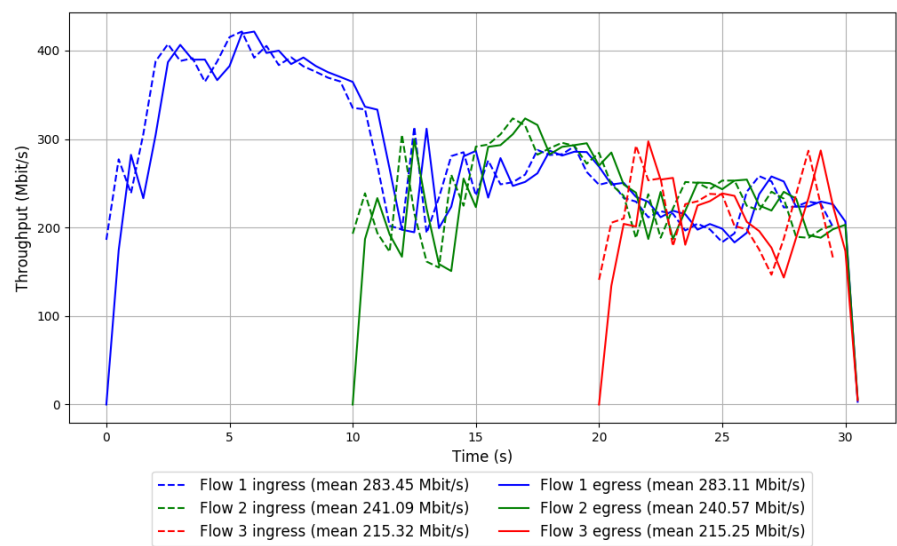


Run 10: Statistics of Copa

Start at: 2018-07-10 07:44:00
End at: 2018-07-10 07:44:30
Local clock offset: 0.714 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-10 09:00:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.91 Mbit/s
95th percentile per-packet one-way delay: 22.815 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 283.11 Mbit/s
95th percentile per-packet one-way delay: 21.773 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 240.57 Mbit/s
95th percentile per-packet one-way delay: 23.340 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 215.25 Mbit/s
95th percentile per-packet one-way delay: 24.298 ms
Loss rate: 0.03%

Run 10: Report of Copa — Data Link

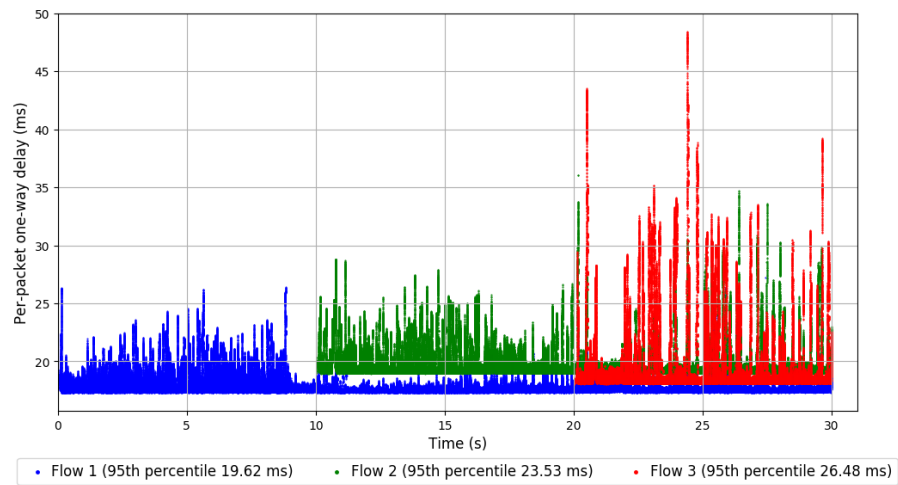
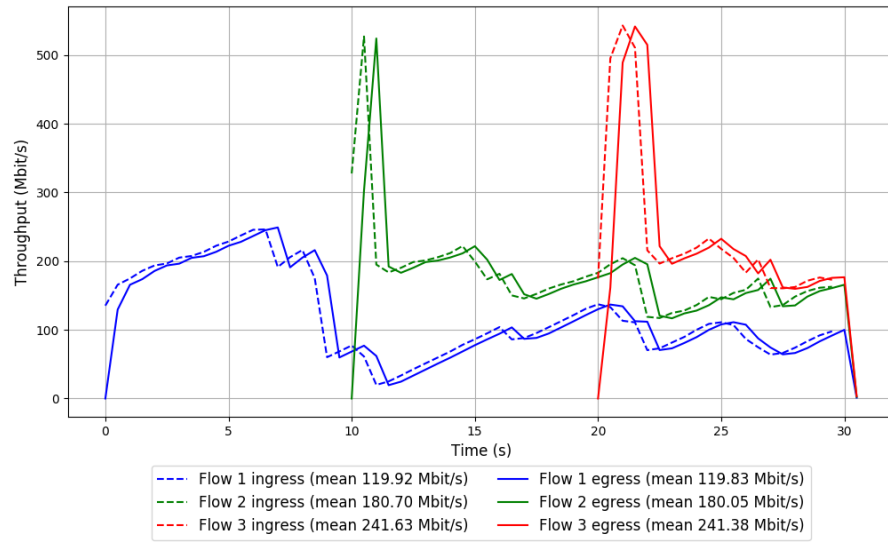


Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 03:50:03
End at: 2018-07-10 03:50:33
Local clock offset: 0.403 ms
Remote clock offset: -7.292 ms

Below is generated by plot.py at 2018-07-10 09:00:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.01 Mbit/s
95th percentile per-packet one-way delay: 22.896 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 119.83 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 180.05 Mbit/s
95th percentile per-packet one-way delay: 23.529 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 241.38 Mbit/s
95th percentile per-packet one-way delay: 26.477 ms
Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link

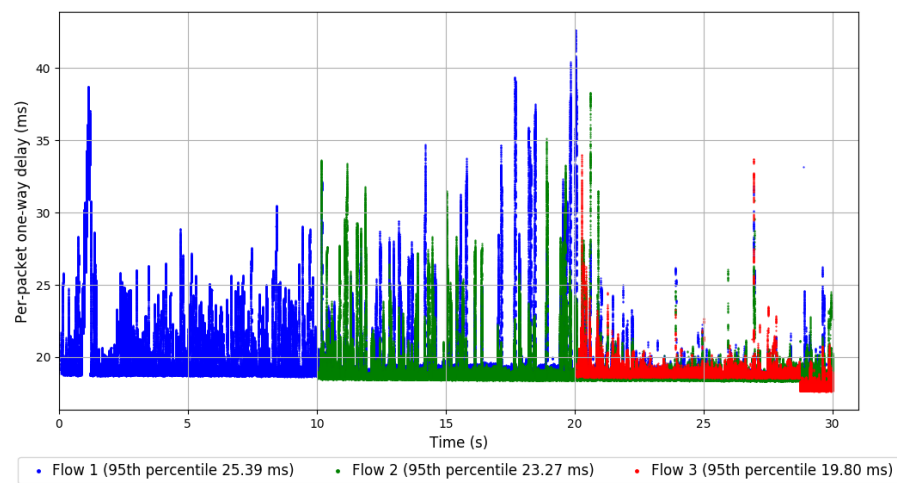
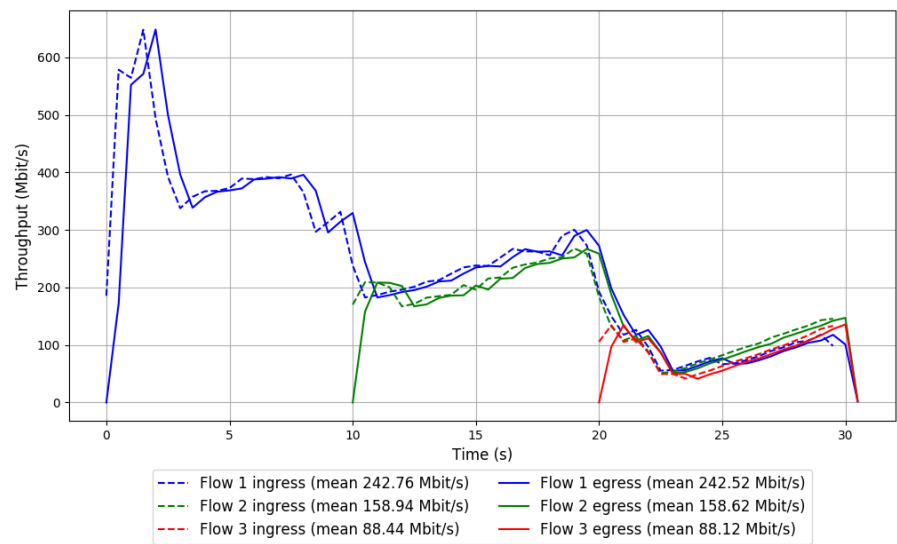


Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 04:17:14
End at: 2018-07-10 04:17:44
Local clock offset: 0.157 ms
Remote clock offset: -6.322 ms

Below is generated by plot.py at 2018-07-10 09:00:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.48 Mbit/s
95th percentile per-packet one-way delay: 24.472 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 242.52 Mbit/s
95th percentile per-packet one-way delay: 25.390 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 158.62 Mbit/s
95th percentile per-packet one-way delay: 23.274 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 19.801 ms
Loss rate: 0.36%

Run 2: Report of TCP Cubic — Data Link

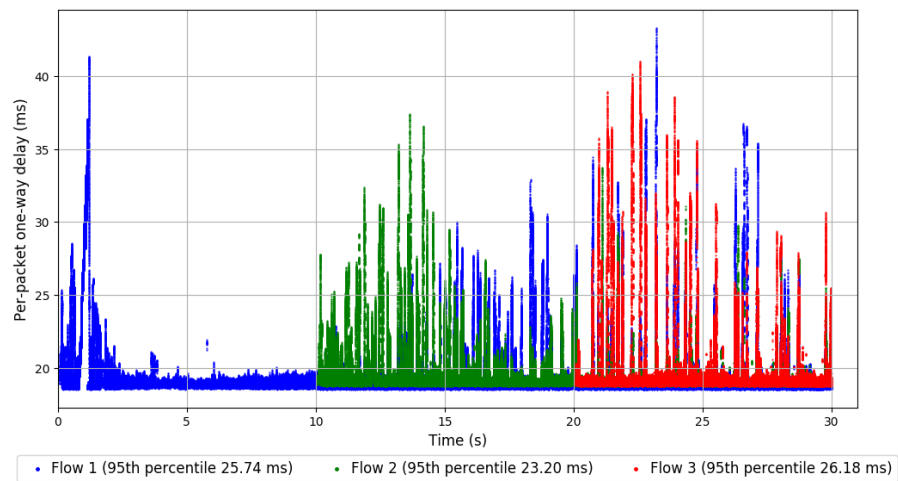
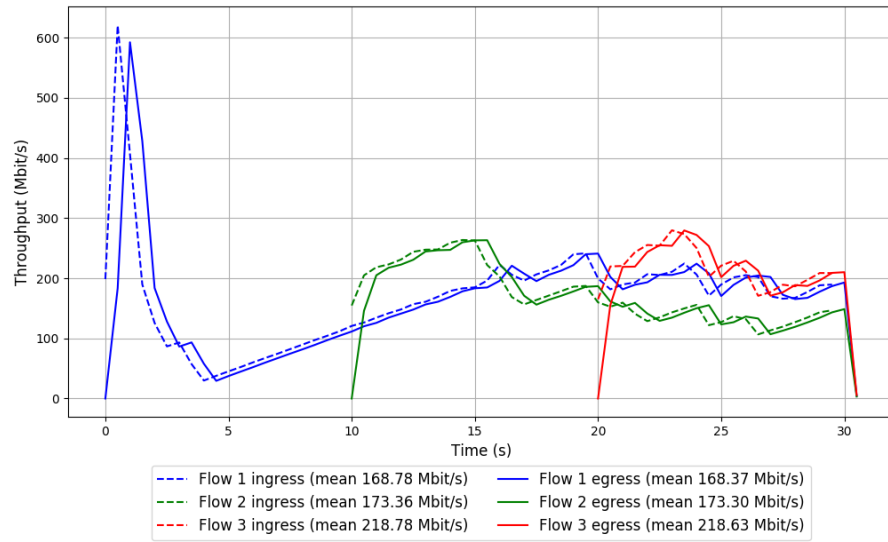


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 04:44:29
End at: 2018-07-10 04:44:59
Local clock offset: -0.079 ms
Remote clock offset: -1.828 ms

Below is generated by plot.py at 2018-07-10 09:00:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.51 Mbit/s
95th percentile per-packet one-way delay: 24.847 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 168.37 Mbit/s
95th percentile per-packet one-way delay: 25.744 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 173.30 Mbit/s
95th percentile per-packet one-way delay: 23.197 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 218.63 Mbit/s
95th percentile per-packet one-way delay: 26.175 ms
Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 05:11:46

End at: 2018-07-10 05:12:16

Local clock offset: -0.071 ms

Remote clock offset: 1.467 ms

Below is generated by plot.py at 2018-07-10 09:00:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.10 Mbit/s

95th percentile per-packet one-way delay: 22.396 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 289.46 Mbit/s

95th percentile per-packet one-way delay: 23.121 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 149.98 Mbit/s

95th percentile per-packet one-way delay: 20.653 ms

Loss rate: 0.20%

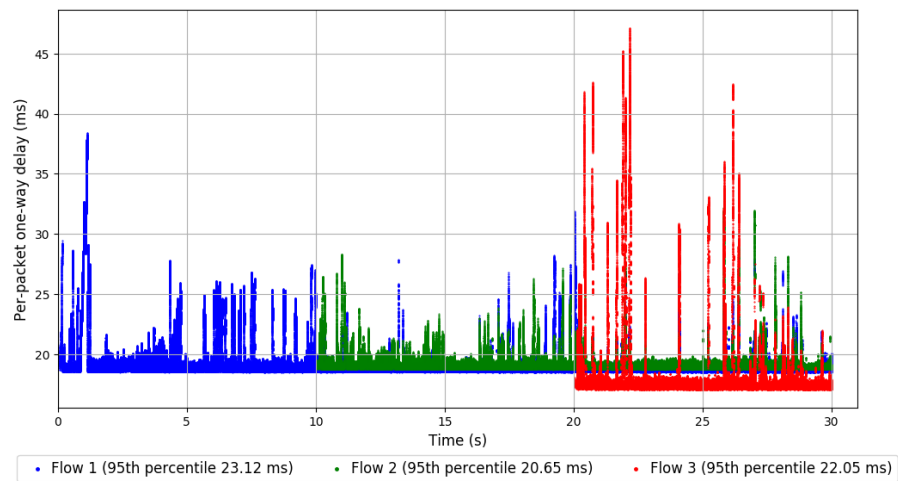
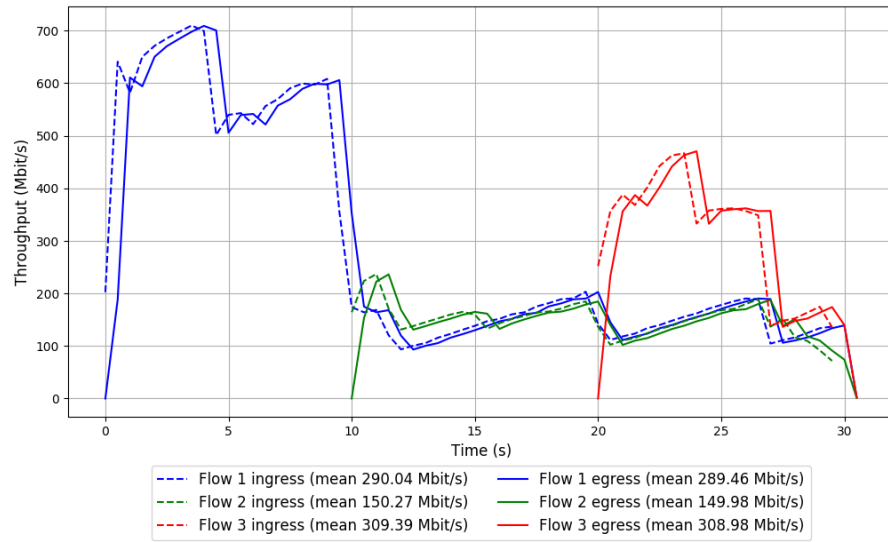
-- Flow 3:

Average throughput: 308.98 Mbit/s

95th percentile per-packet one-way delay: 22.055 ms

Loss rate: 0.13%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 05:39:07

End at: 2018-07-10 05:39:37

Local clock offset: -0.028 ms

Remote clock offset: 0.516 ms

Below is generated by plot.py at 2018-07-10 09:00:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.58 Mbit/s

95th percentile per-packet one-way delay: 24.296 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 271.05 Mbit/s

95th percentile per-packet one-way delay: 24.712 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 20.266 ms

Loss rate: 0.24%

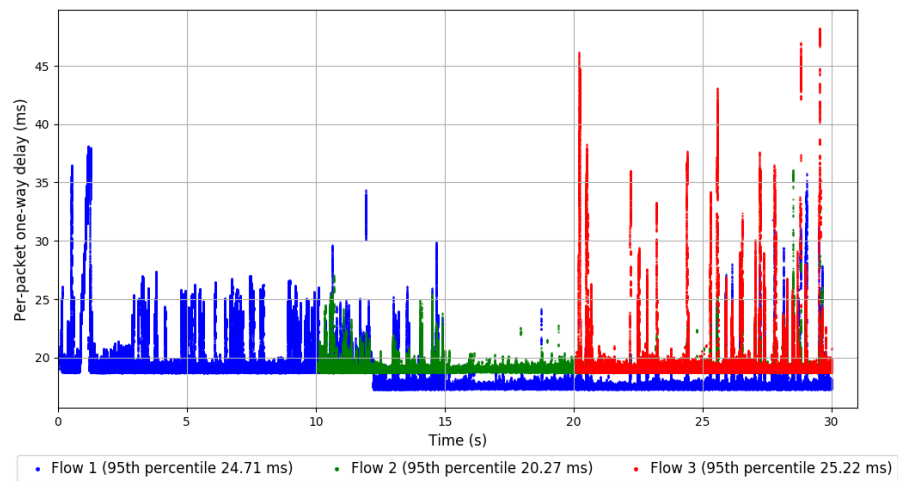
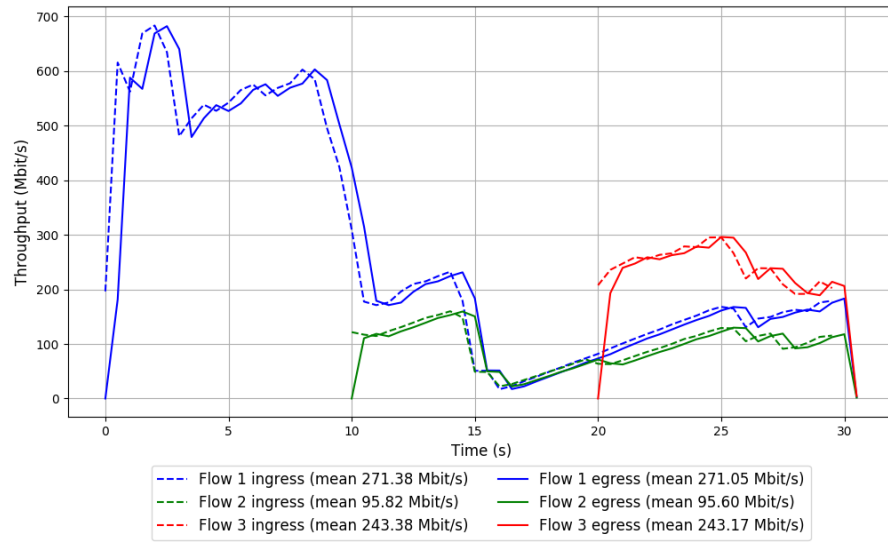
-- Flow 3:

Average throughput: 243.17 Mbit/s

95th percentile per-packet one-way delay: 25.217 ms

Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 06:06:24

End at: 2018-07-10 06:06:54

Local clock offset: 0.064 ms

Remote clock offset: 2.563 ms

Below is generated by plot.py at 2018-07-10 09:00:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.58 Mbit/s

95th percentile per-packet one-way delay: 21.696 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 237.48 Mbit/s

95th percentile per-packet one-way delay: 22.276 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 300.43 Mbit/s

95th percentile per-packet one-way delay: 20.404 ms

Loss rate: 0.12%

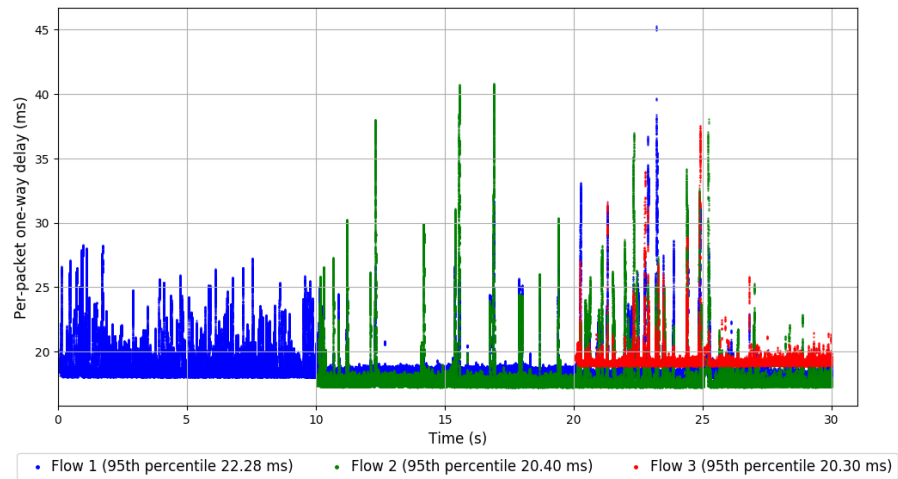
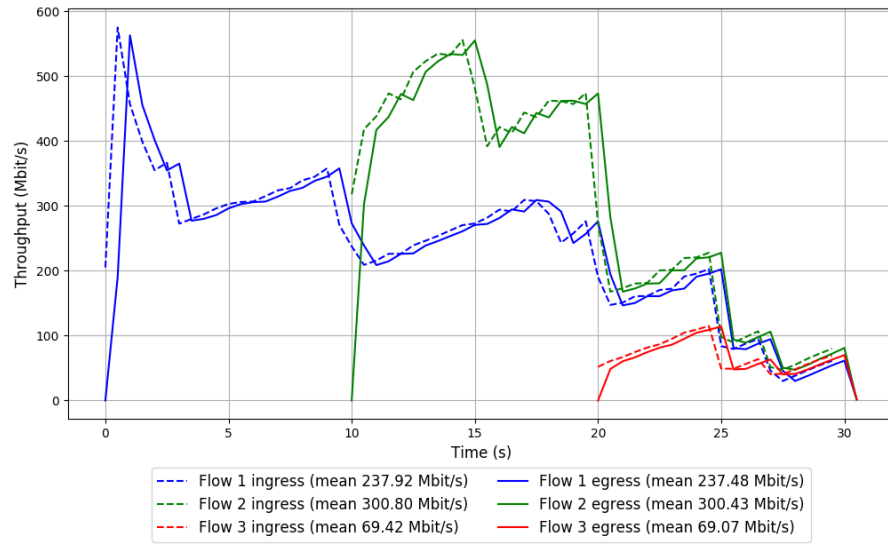
-- Flow 3:

Average throughput: 69.07 Mbit/s

95th percentile per-packet one-way delay: 20.295 ms

Loss rate: 0.50%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 06:33:30

End at: 2018-07-10 06:34:00

Local clock offset: 0.132 ms

Remote clock offset: 3.647 ms

Below is generated by plot.py at 2018-07-10 09:00:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.52 Mbit/s

95th percentile per-packet one-way delay: 23.119 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 271.29 Mbit/s

95th percentile per-packet one-way delay: 23.665 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 166.36 Mbit/s

95th percentile per-packet one-way delay: 20.674 ms

Loss rate: 0.05%

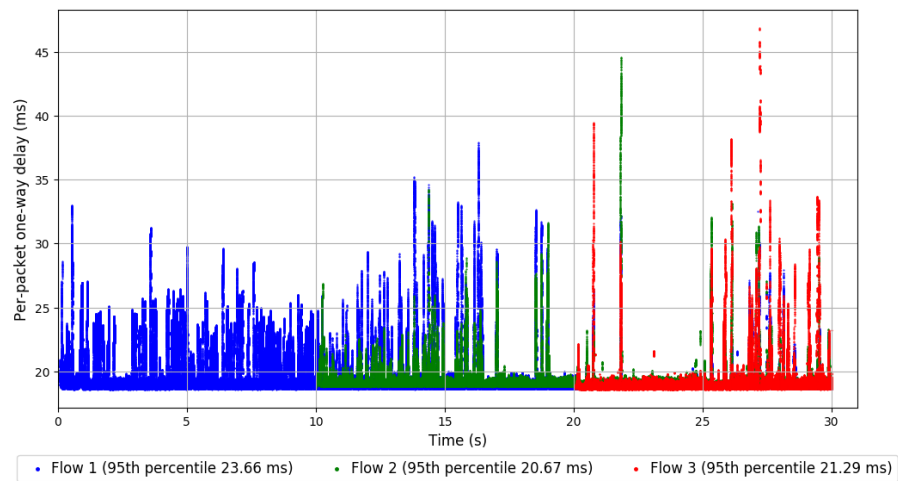
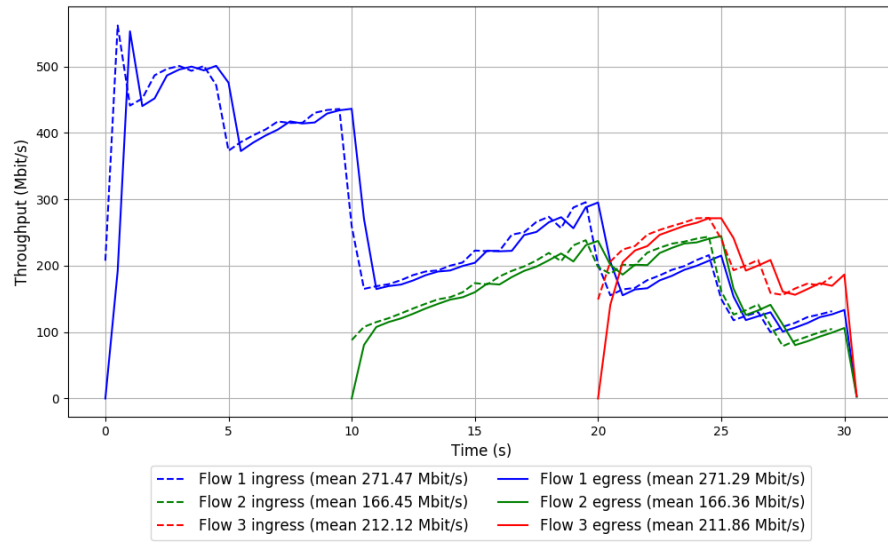
-- Flow 3:

Average throughput: 211.86 Mbit/s

95th percentile per-packet one-way delay: 21.289 ms

Loss rate: 0.08%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 07:01:00

End at: 2018-07-10 07:01:30

Local clock offset: 0.174 ms

Remote clock offset: 3.804 ms

Below is generated by plot.py at 2018-07-10 09:01:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 484.40 Mbit/s

95th percentile per-packet one-way delay: 25.838 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 292.96 Mbit/s

95th percentile per-packet one-way delay: 27.086 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 174.36 Mbit/s

95th percentile per-packet one-way delay: 22.068 ms

Loss rate: 0.10%

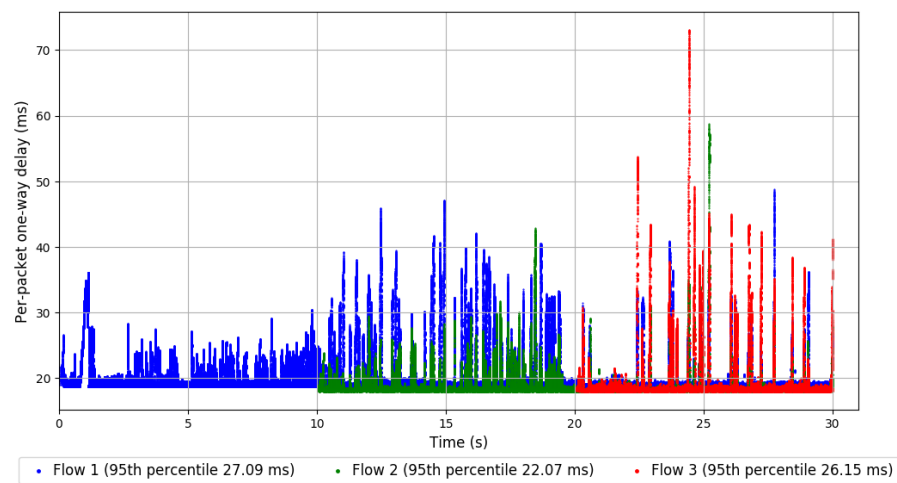
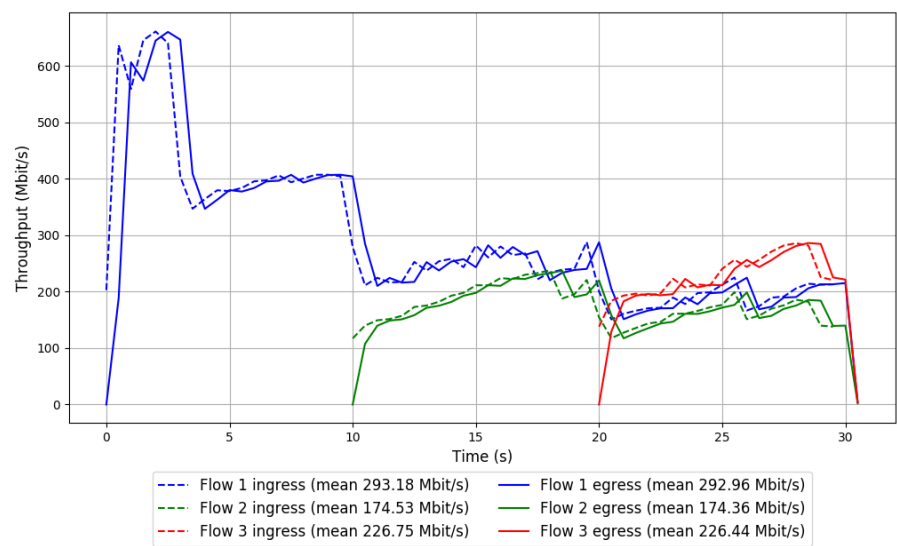
-- Flow 3:

Average throughput: 226.44 Mbit/s

95th percentile per-packet one-way delay: 26.153 ms

Loss rate: 0.14%

Run 8: Report of TCP Cubic — Data Link

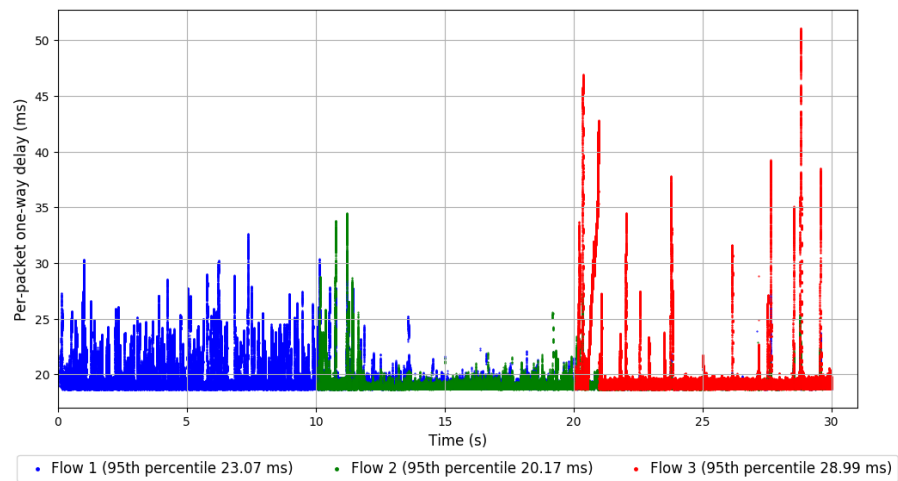
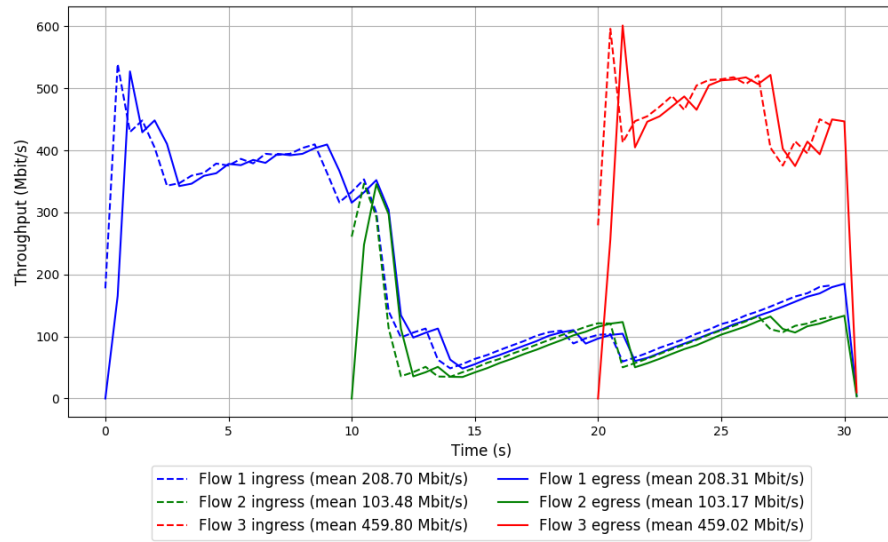


Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 07:28:25
End at: 2018-07-10 07:28:55
Local clock offset: 0.548 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-07-10 09:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.66 Mbit/s
95th percentile per-packet one-way delay: 23.596 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 23.073 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 103.17 Mbit/s
95th percentile per-packet one-way delay: 20.170 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 459.02 Mbit/s
95th percentile per-packet one-way delay: 28.991 ms
Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link

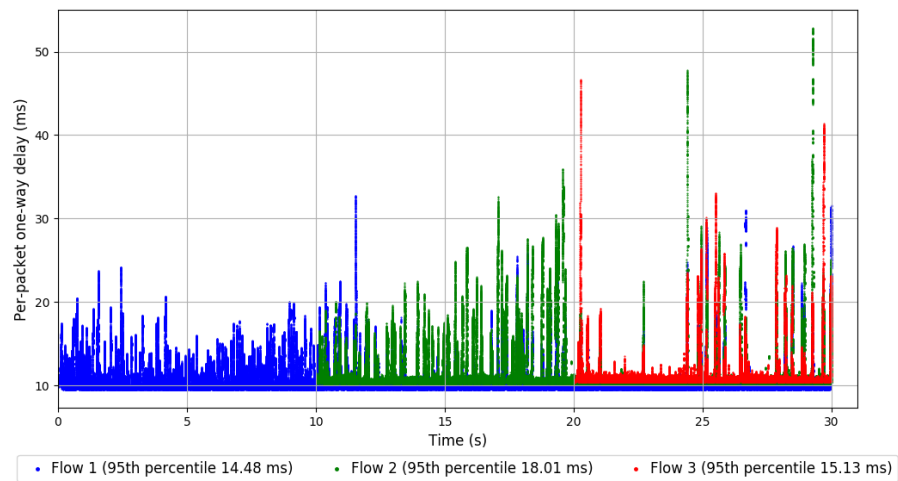
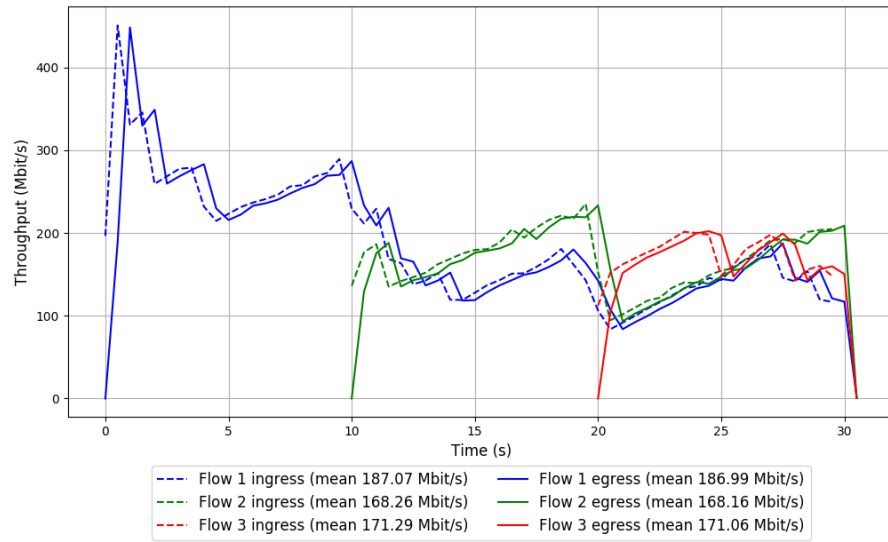


Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 07:55:22
End at: 2018-07-10 07:55:52
Local clock offset: 9.242 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-10 09:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.89 Mbit/s
95th percentile per-packet one-way delay: 15.639 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 186.99 Mbit/s
95th percentile per-packet one-way delay: 14.484 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 168.16 Mbit/s
95th percentile per-packet one-way delay: 18.007 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 15.131 ms
Loss rate: 0.13%

Run 10: Report of TCP Cubic — Data Link

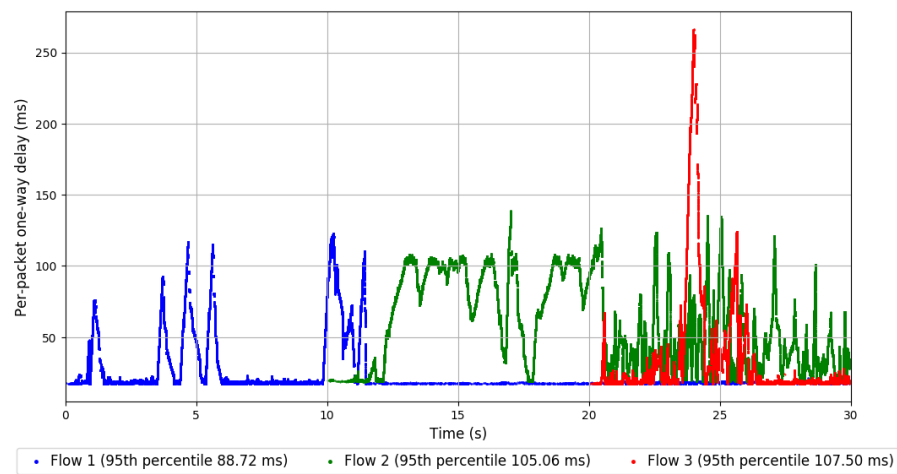
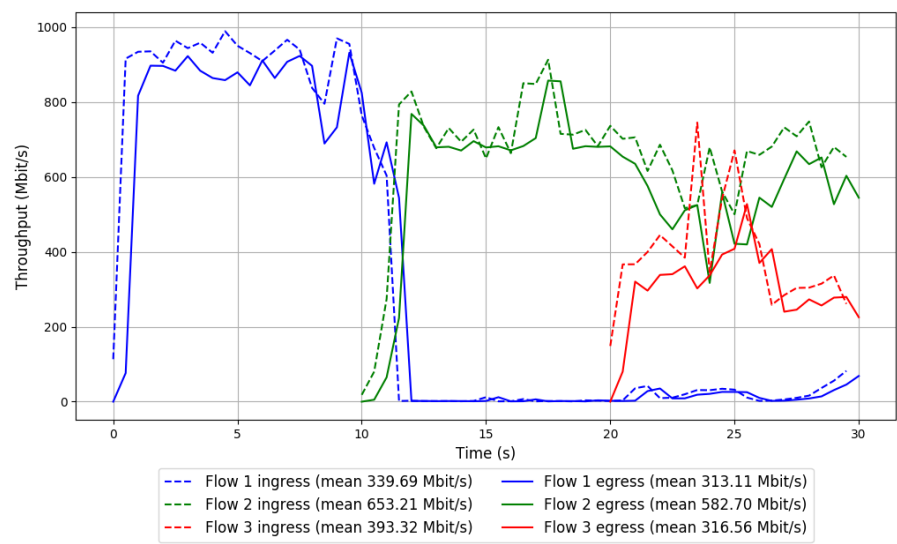


Run 1: Statistics of FillP

Start at: 2018-07-10 03:56:28
End at: 2018-07-10 03:56:58
Local clock offset: 0.385 ms
Remote clock offset: -7.842 ms

Below is generated by plot.py at 2018-07-10 09:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 805.94 Mbit/s
95th percentile per-packet one-way delay: 104.073 ms
Loss rate: 10.93%
-- Flow 1:
Average throughput: 313.11 Mbit/s
95th percentile per-packet one-way delay: 88.720 ms
Loss rate: 7.82%
-- Flow 2:
Average throughput: 582.70 Mbit/s
95th percentile per-packet one-way delay: 105.057 ms
Loss rate: 10.79%
-- Flow 3:
Average throughput: 316.56 Mbit/s
95th percentile per-packet one-way delay: 107.504 ms
Loss rate: 19.52%

Run 1: Report of FillP — Data Link

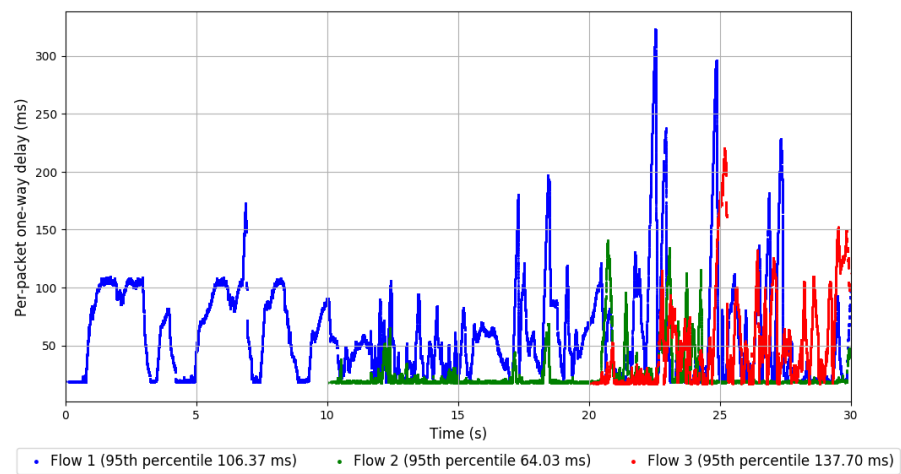
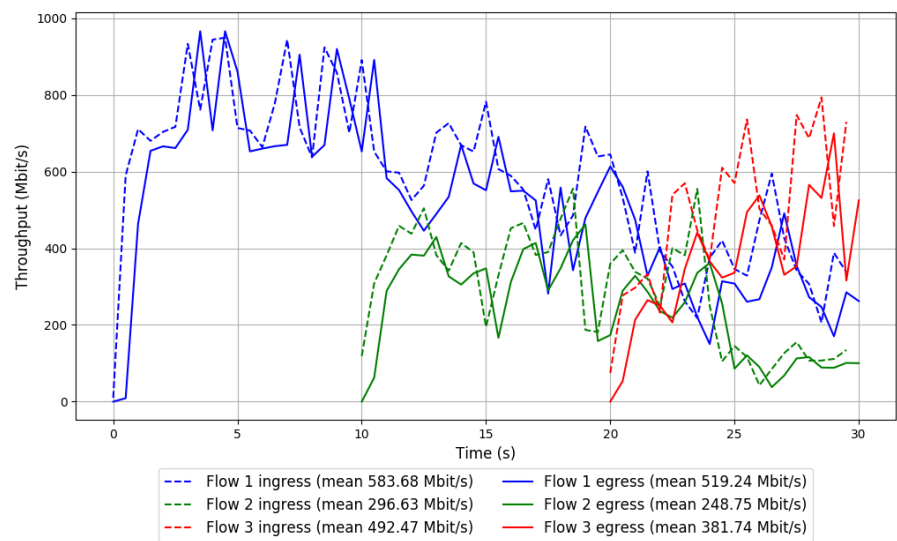


Run 2: Statistics of FillP

Start at: 2018-07-10 04:23:42
End at: 2018-07-10 04:24:12
Local clock offset: 0.068 ms
Remote clock offset: -4.151 ms

Below is generated by plot.py at 2018-07-10 09:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 811.50 Mbit/s
95th percentile per-packet one-way delay: 107.198 ms
Loss rate: 14.07%
-- Flow 1:
Average throughput: 519.24 Mbit/s
95th percentile per-packet one-way delay: 106.368 ms
Loss rate: 11.04%
-- Flow 2:
Average throughput: 248.75 Mbit/s
95th percentile per-packet one-way delay: 64.035 ms
Loss rate: 16.14%
-- Flow 3:
Average throughput: 381.74 Mbit/s
95th percentile per-packet one-way delay: 137.699 ms
Loss rate: 22.36%

Run 2: Report of FillP — Data Link

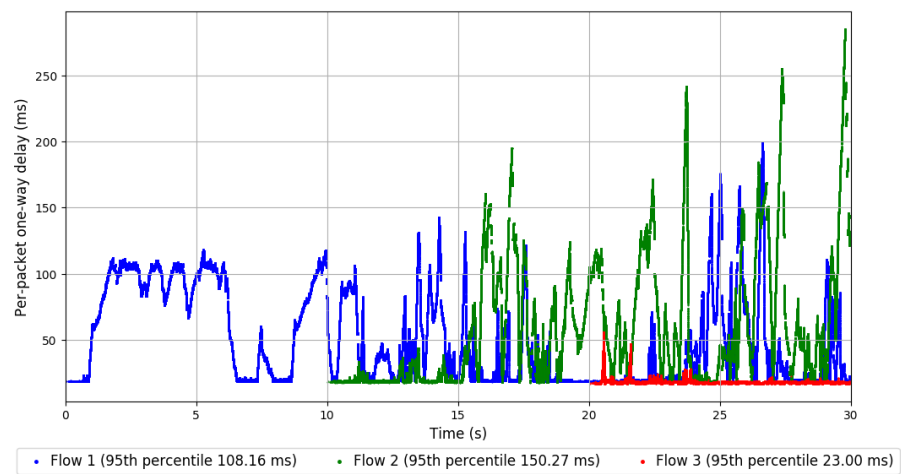
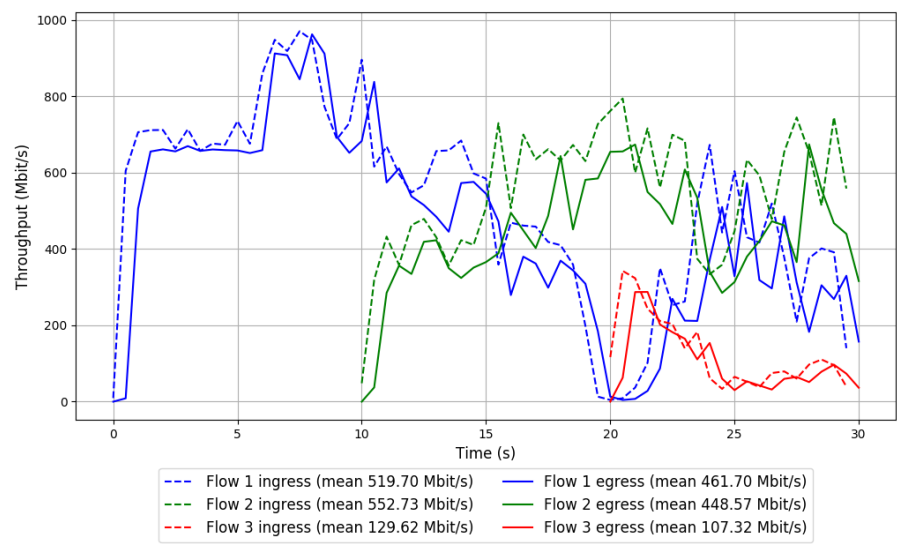


Run 3: Statistics of FillP

Start at: 2018-07-10 04:50:59
End at: 2018-07-10 04:51:29
Local clock offset: -0.079 ms
Remote clock offset: -0.765 ms

Below is generated by plot.py at 2018-07-10 09:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.91 Mbit/s
95th percentile per-packet one-way delay: 124.958 ms
Loss rate: 14.47%
-- Flow 1:
Average throughput: 461.70 Mbit/s
95th percentile per-packet one-way delay: 108.164 ms
Loss rate: 11.16%
-- Flow 2:
Average throughput: 448.57 Mbit/s
95th percentile per-packet one-way delay: 150.269 ms
Loss rate: 18.84%
-- Flow 3:
Average throughput: 107.32 Mbit/s
95th percentile per-packet one-way delay: 23.004 ms
Loss rate: 17.20%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-10 05:18:22

End at: 2018-07-10 05:18:52

Local clock offset: -0.156 ms

Remote clock offset: 2.025 ms

Below is generated by plot.py at 2018-07-10 09:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 808.12 Mbit/s

95th percentile per-packet one-way delay: 110.979 ms

Loss rate: 13.61%

-- Flow 1:

Average throughput: 564.23 Mbit/s

95th percentile per-packet one-way delay: 114.590 ms

Loss rate: 11.72%

-- Flow 2:

Average throughput: 217.27 Mbit/s

95th percentile per-packet one-way delay: 83.707 ms

Loss rate: 17.99%

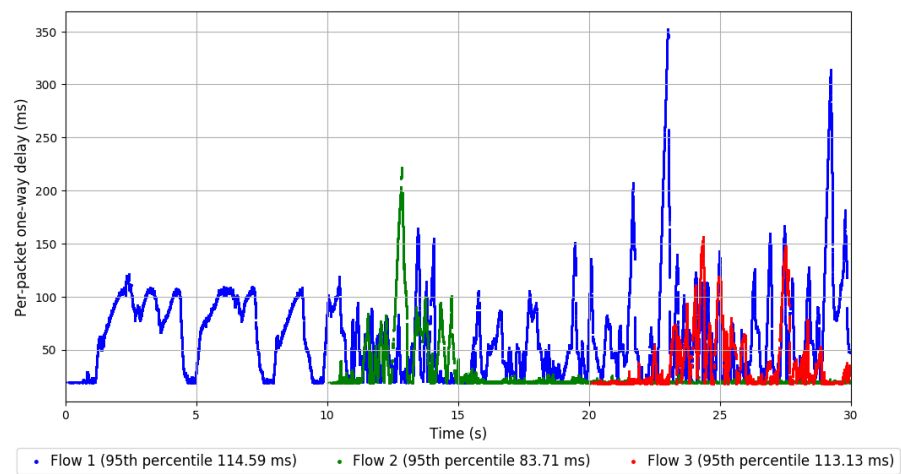
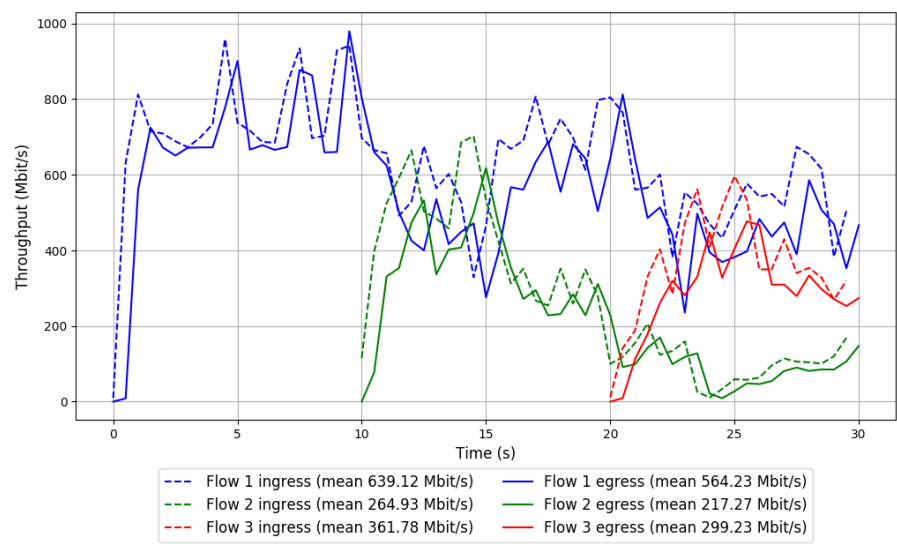
-- Flow 3:

Average throughput: 299.23 Mbit/s

95th percentile per-packet one-way delay: 113.126 ms

Loss rate: 17.28%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-10 05:45:39

End at: 2018-07-10 05:46:09

Local clock offset: -0.107 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2018-07-10 09:12:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 779.64 Mbit/s

95th percentile per-packet one-way delay: 113.923 ms

Loss rate: 13.83%

-- Flow 1:

Average throughput: 387.68 Mbit/s

95th percentile per-packet one-way delay: 105.266 ms

Loss rate: 10.83%

-- Flow 2:

Average throughput: 416.25 Mbit/s

95th percentile per-packet one-way delay: 112.875 ms

Loss rate: 15.07%

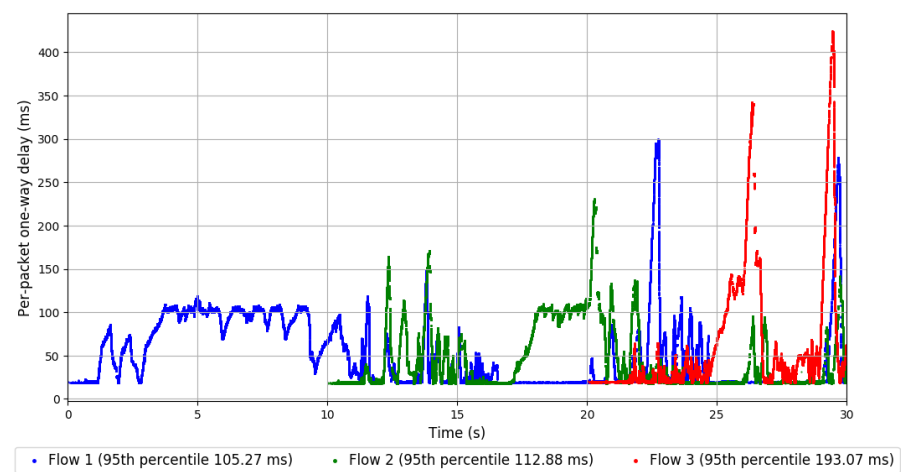
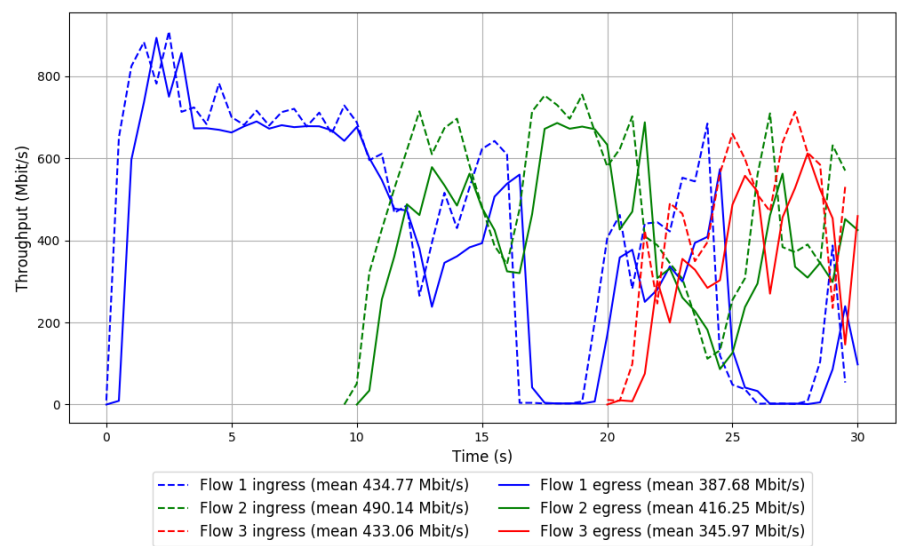
-- Flow 3:

Average throughput: 345.97 Mbit/s

95th percentile per-packet one-way delay: 193.072 ms

Loss rate: 20.11%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-10 06:12:56

End at: 2018-07-10 06:13:26

Local clock offset: 0.126 ms

Remote clock offset: 3.141 ms

Below is generated by plot.py at 2018-07-10 09:12:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 705.07 Mbit/s

95th percentile per-packet one-way delay: 109.329 ms

Loss rate: 9.47%

-- Flow 1:

Average throughput: 346.75 Mbit/s

95th percentile per-packet one-way delay: 105.401 ms

Loss rate: 8.32%

-- Flow 2:

Average throughput: 225.18 Mbit/s

95th percentile per-packet one-way delay: 132.901 ms

Loss rate: 17.03%

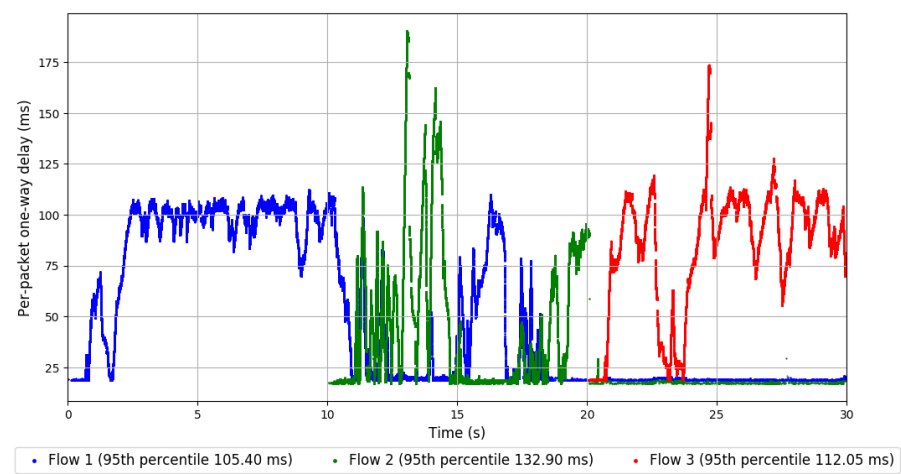
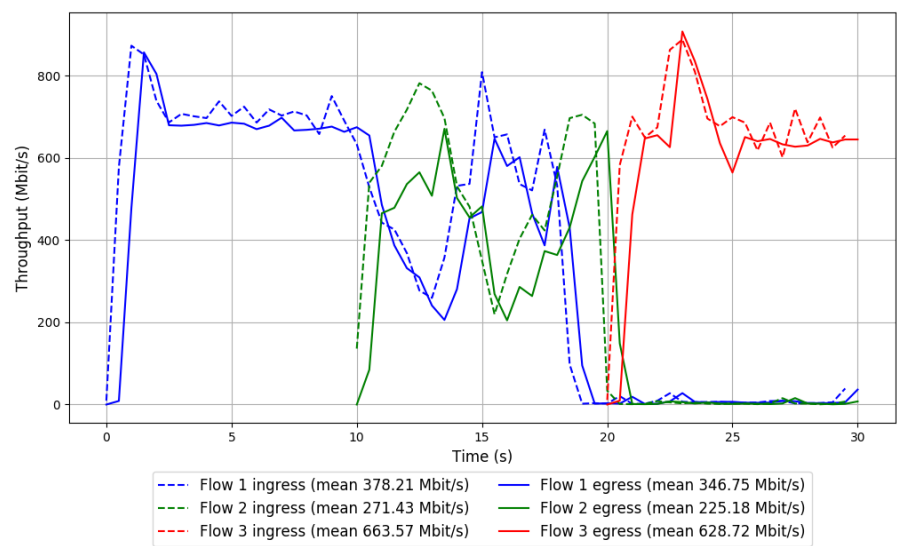
-- Flow 3:

Average throughput: 628.72 Mbit/s

95th percentile per-packet one-way delay: 112.049 ms

Loss rate: 5.23%

Run 6: Report of FillP — Data Link

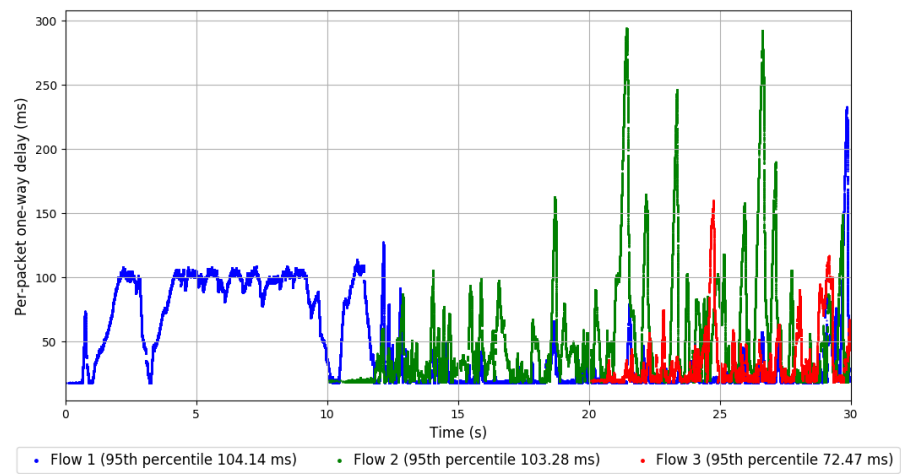
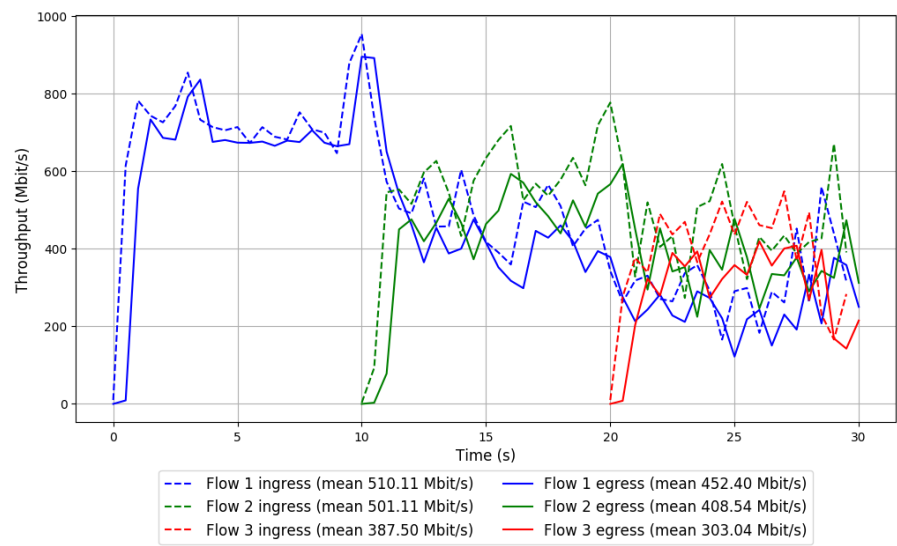


Run 7: Statistics of FillP

Start at: 2018-07-10 06:40:02
End at: 2018-07-10 06:40:32
Local clock offset: 0.128 ms
Remote clock offset: 3.442 ms

Below is generated by plot.py at 2018-07-10 09:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.72 Mbit/s
95th percentile per-packet one-way delay: 103.880 ms
Loss rate: 15.15%
-- Flow 1:
Average throughput: 452.40 Mbit/s
95th percentile per-packet one-way delay: 104.136 ms
Loss rate: 11.31%
-- Flow 2:
Average throughput: 408.54 Mbit/s
95th percentile per-packet one-way delay: 103.283 ms
Loss rate: 18.47%
-- Flow 3:
Average throughput: 303.04 Mbit/s
95th percentile per-packet one-way delay: 72.466 ms
Loss rate: 21.78%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

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

End at: 2018-07-10 07:08:04

Local clock offset: 0.234 ms

Remote clock offset: 2.241 ms

Below is generated by plot.py at 2018-07-10 09:15:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 781.78 Mbit/s

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

Loss rate: 15.00%

-- Flow 1:

Average throughput: 370.70 Mbit/s

95th percentile per-packet one-way delay: 108.608 ms

Loss rate: 10.76%

-- Flow 2:

Average throughput: 437.58 Mbit/s

95th percentile per-packet one-way delay: 119.658 ms

Loss rate: 17.20%

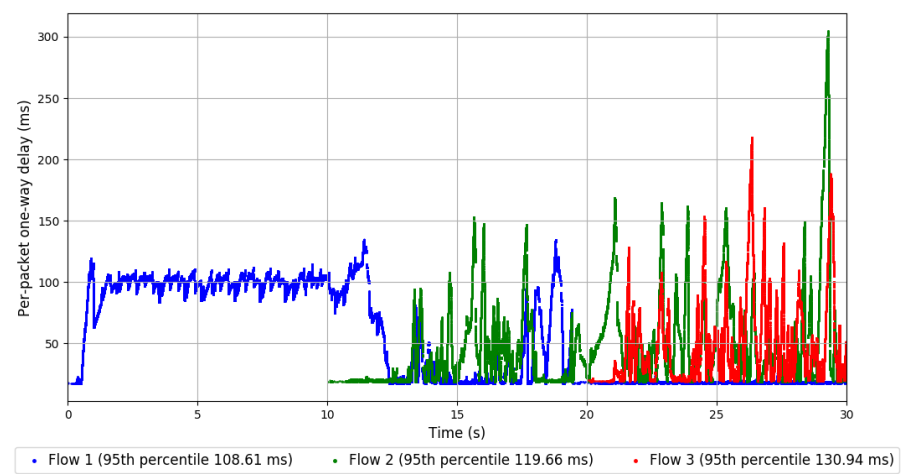
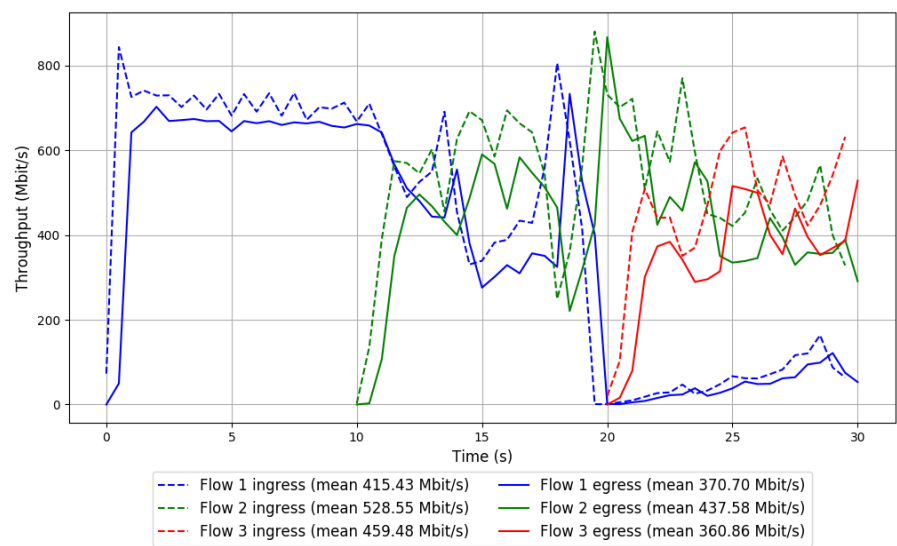
-- Flow 3:

Average throughput: 360.86 Mbit/s

95th percentile per-packet one-way delay: 130.944 ms

Loss rate: 21.47%

Run 8: Report of FillP — Data Link

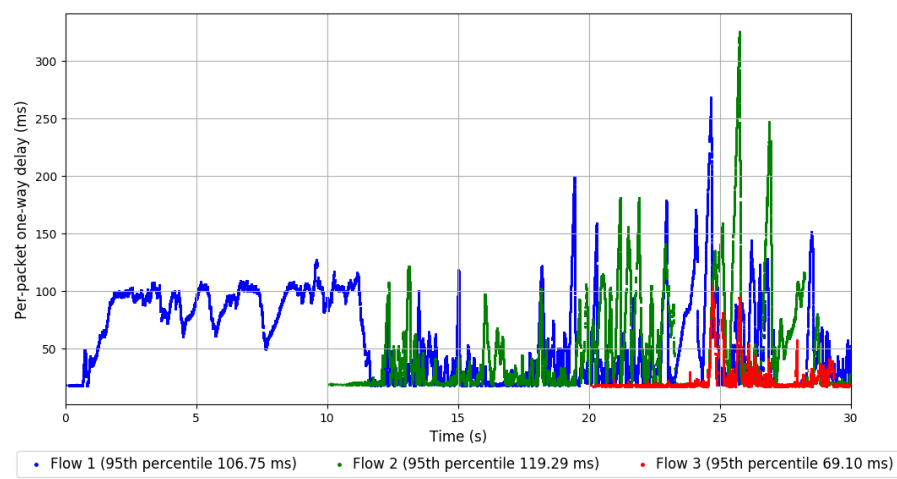
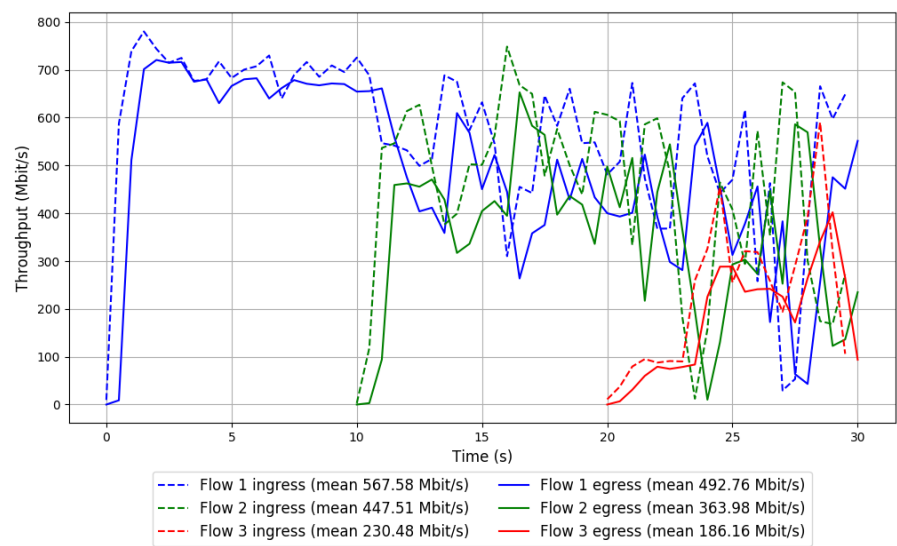


Run 9: Statistics of FillP

Start at: 2018-07-10 07:34:57
End at: 2018-07-10 07:35:27
Local clock offset: 0.64 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-07-10 09:22:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.73 Mbit/s
95th percentile per-packet one-way delay: 107.212 ms
Loss rate: 15.40%
-- Flow 1:
Average throughput: 492.76 Mbit/s
95th percentile per-packet one-way delay: 106.750 ms
Loss rate: 13.18%
-- Flow 2:
Average throughput: 363.98 Mbit/s
95th percentile per-packet one-way delay: 119.291 ms
Loss rate: 18.65%
-- Flow 3:
Average throughput: 186.16 Mbit/s
95th percentile per-packet one-way delay: 69.097 ms
Loss rate: 19.23%

Run 9: Report of FillP — Data Link

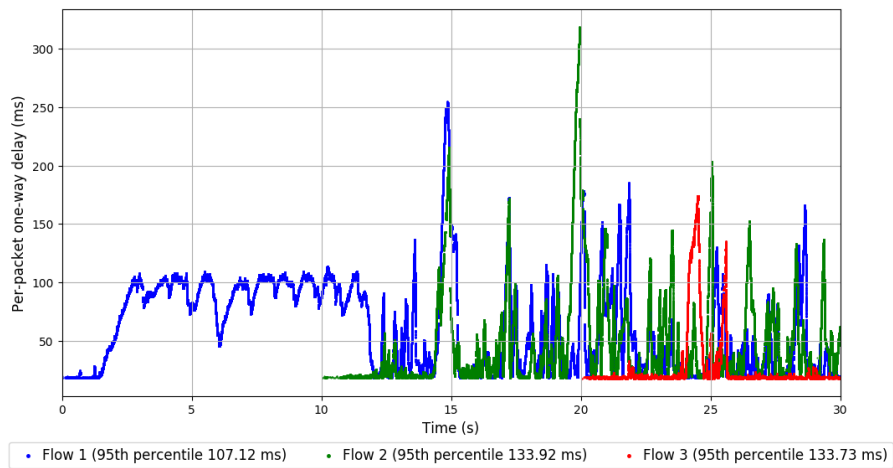
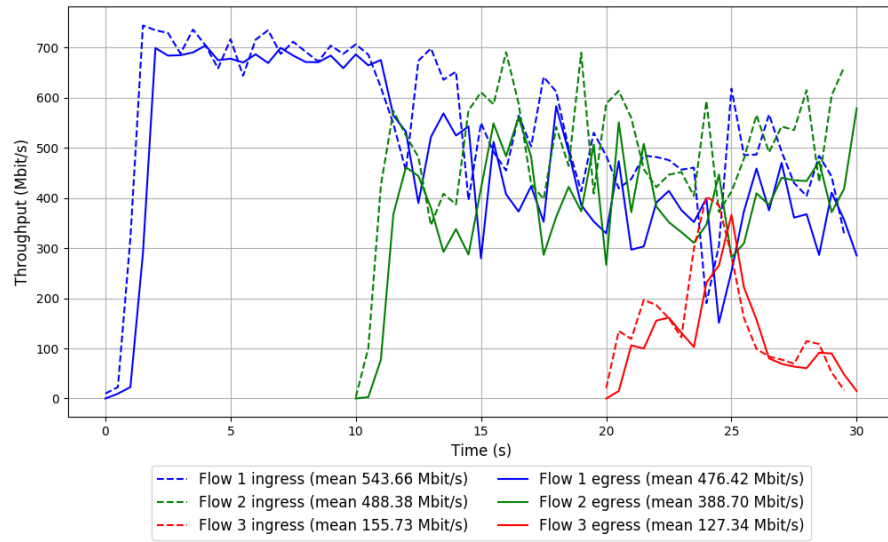


Run 10: Statistics of FillP

Start at: 2018-07-10 08:01:47
End at: 2018-07-10 08:02:17
Local clock offset: 0.692 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-10 09:23:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 777.36 Mbit/s
95th percentile per-packet one-way delay: 117.139 ms
Loss rate: 15.54%
-- Flow 1:
Average throughput: 476.42 Mbit/s
95th percentile per-packet one-way delay: 107.123 ms
Loss rate: 12.37%
-- Flow 2:
Average throughput: 388.70 Mbit/s
95th percentile per-packet one-way delay: 133.918 ms
Loss rate: 20.41%
-- Flow 3:
Average throughput: 127.34 Mbit/s
95th percentile per-packet one-way delay: 133.732 ms
Loss rate: 18.23%

Run 10: Report of FillP — Data Link

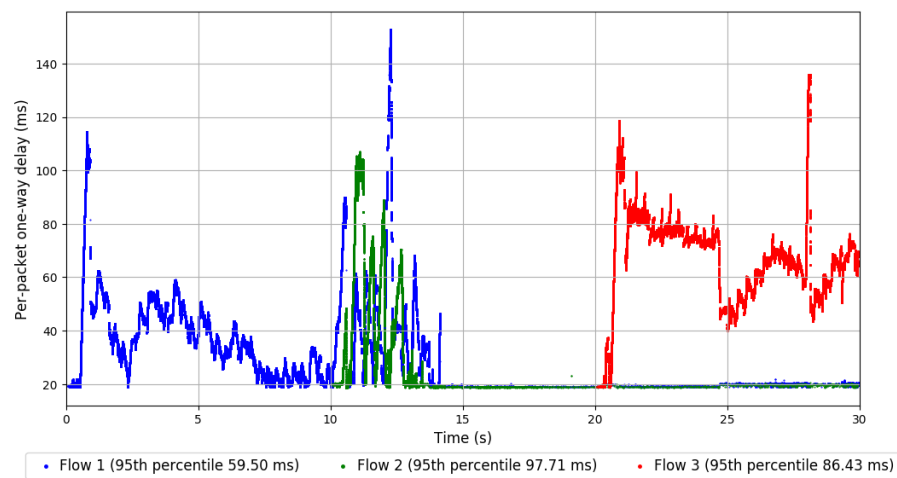
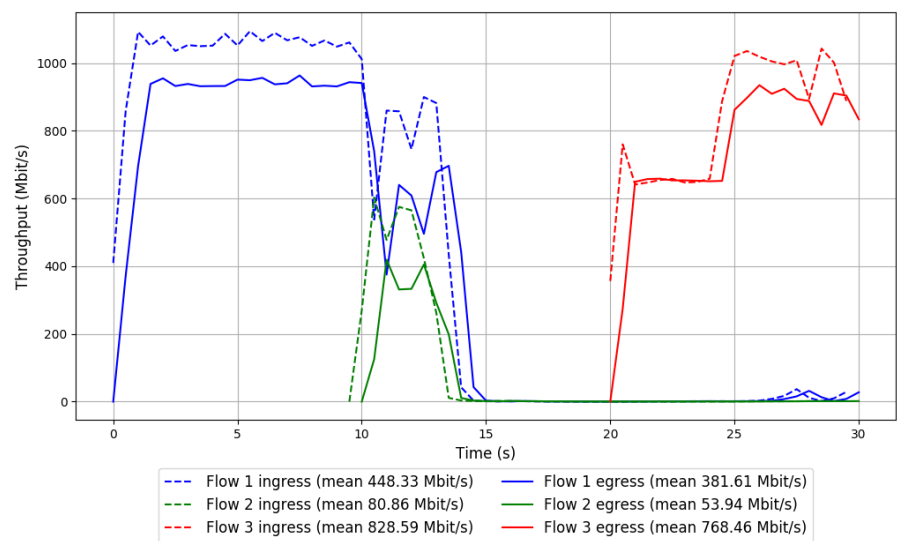


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 04:01:17
End at: 2018-07-10 04:01:48
Local clock offset: 0.247 ms
Remote clock offset: -8.231 ms

Below is generated by plot.py at 2018-07-10 09:23:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 672.54 Mbit/s
95th percentile per-packet one-way delay: 82.858 ms
Loss rate: 13.45%
-- Flow 1:
Average throughput: 381.61 Mbit/s
95th percentile per-packet one-way delay: 59.500 ms
Loss rate: 14.88%
-- Flow 2:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 97.711 ms
Loss rate: 33.29%
-- Flow 3:
Average throughput: 768.46 Mbit/s
95th percentile per-packet one-way delay: 86.430 ms
Loss rate: 7.25%

Run 1: Report of FillP-Sheep — Data Link

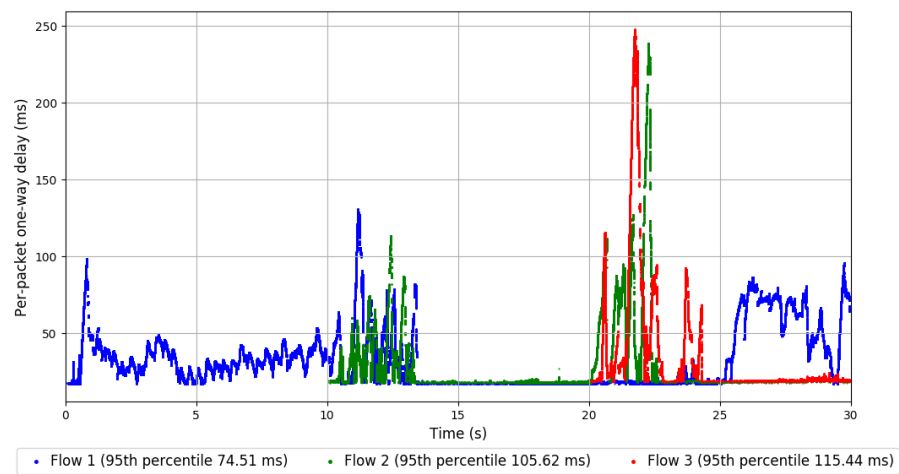
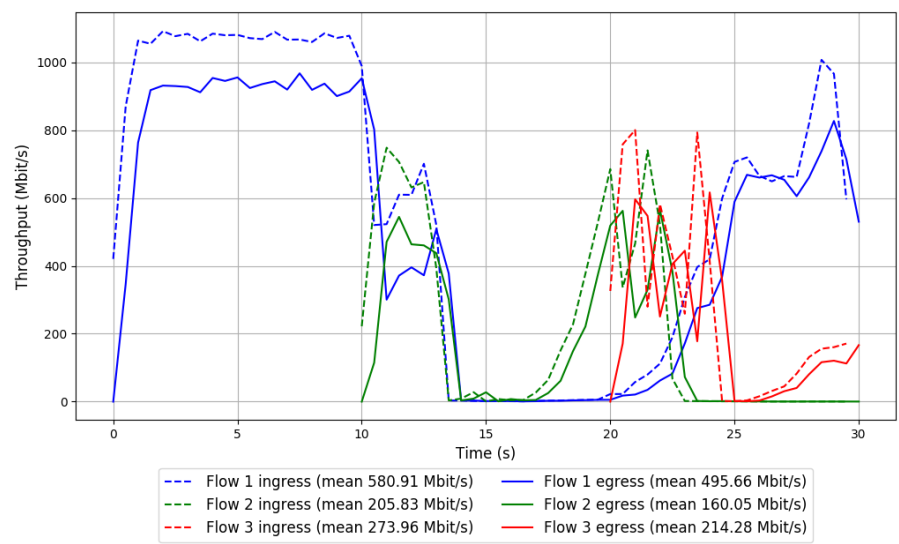


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 04:28:34
End at: 2018-07-10 04:29:04
Local clock offset: 0.027 ms
Remote clock offset: -3.217 ms

Below is generated by plot.py at 2018-07-10 09:23:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 673.07 Mbit/s
95th percentile per-packet one-way delay: 79.795 ms
Loss rate: 16.75%
-- Flow 1:
Average throughput: 495.66 Mbit/s
95th percentile per-packet one-way delay: 74.512 ms
Loss rate: 14.67%
-- Flow 2:
Average throughput: 160.05 Mbit/s
95th percentile per-packet one-way delay: 105.617 ms
Loss rate: 22.24%
-- Flow 3:
Average throughput: 214.28 Mbit/s
95th percentile per-packet one-way delay: 115.445 ms
Loss rate: 21.78%

Run 2: Report of FillP-Sheep — Data Link

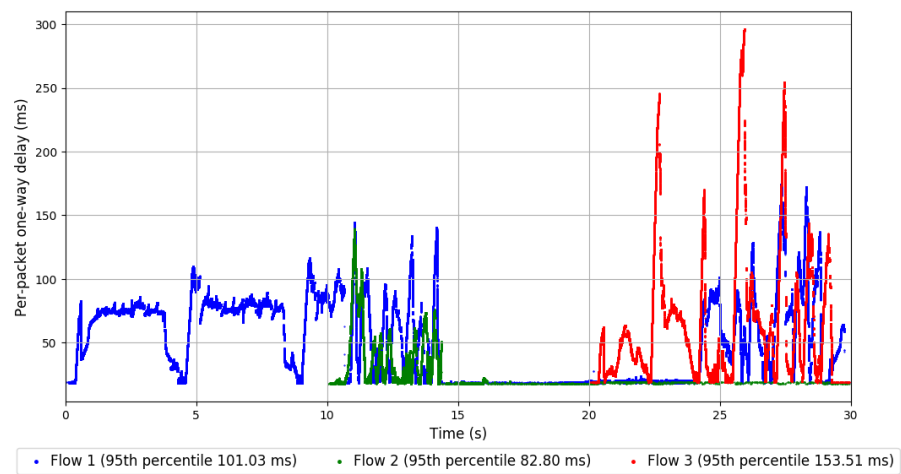
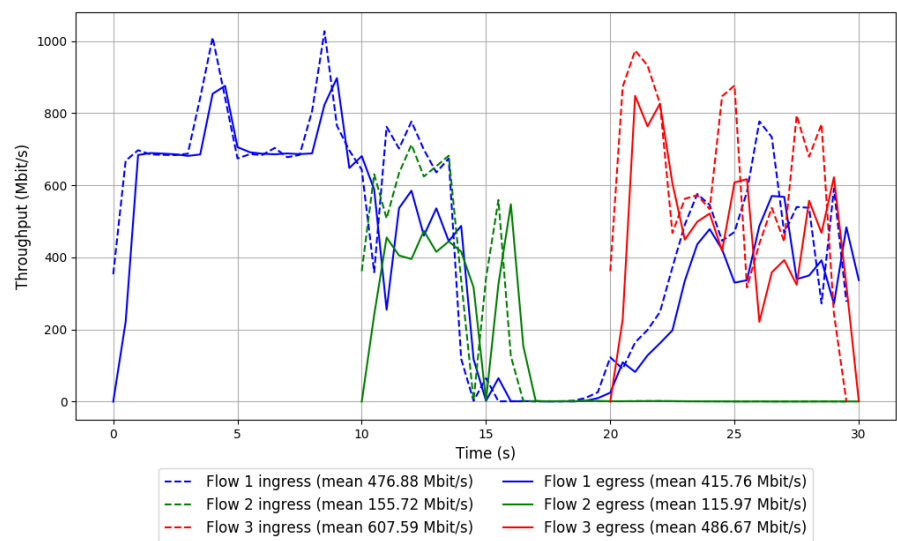


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 04:55:50
End at: 2018-07-10 04:56:20
Local clock offset: -0.081 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-10 09:23:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 654.19 Mbit/s
95th percentile per-packet one-way delay: 106.681 ms
Loss rate: 16.33%
-- Flow 1:
Average throughput: 415.76 Mbit/s
95th percentile per-packet one-way delay: 101.028 ms
Loss rate: 12.82%
-- Flow 2:
Average throughput: 115.97 Mbit/s
95th percentile per-packet one-way delay: 82.795 ms
Loss rate: 25.52%
-- Flow 3:
Average throughput: 486.67 Mbit/s
95th percentile per-packet one-way delay: 153.509 ms
Loss rate: 19.90%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 05:23:04

End at: 2018-07-10 05:23:34

Local clock offset: -0.158 ms

Remote clock offset: 1.676 ms

Below is generated by plot.py at 2018-07-10 09:26:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 883.35 Mbit/s

95th percentile per-packet one-way delay: 78.290 ms

Loss rate: 15.27%

-- Flow 1:

Average throughput: 362.77 Mbit/s

95th percentile per-packet one-way delay: 66.572 ms

Loss rate: 14.99%

-- Flow 2:

Average throughput: 451.64 Mbit/s

95th percentile per-packet one-way delay: 82.772 ms

Loss rate: 15.91%

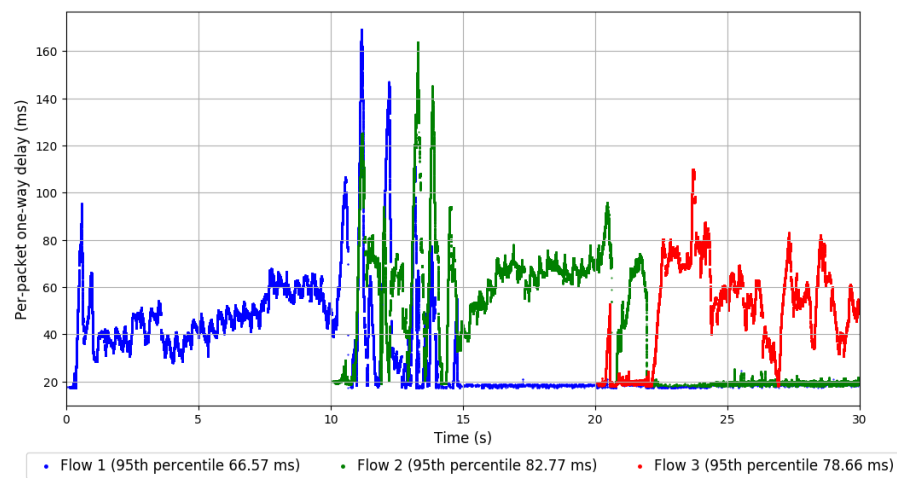
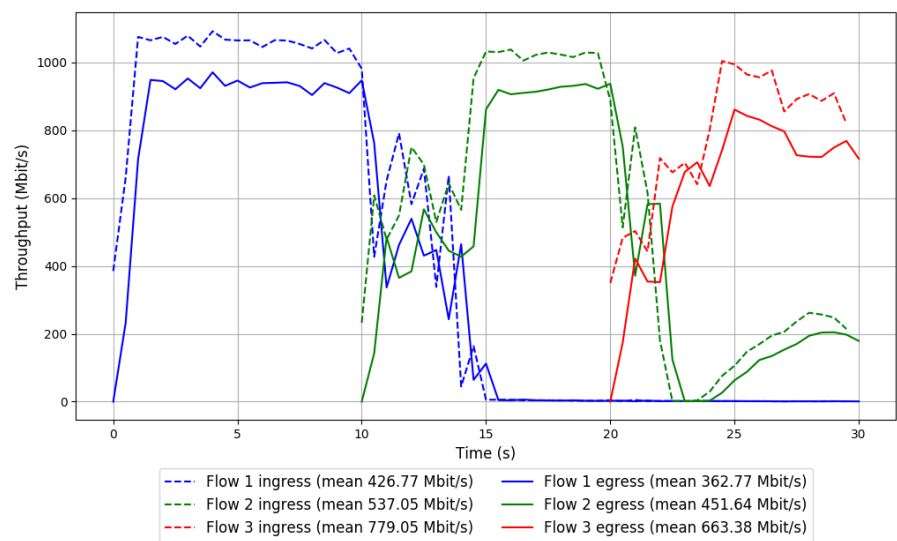
-- Flow 3:

Average throughput: 663.38 Mbit/s

95th percentile per-packet one-way delay: 78.664 ms

Loss rate: 14.85%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 05:50:29

End at: 2018-07-10 05:50:59

Local clock offset: -0.009 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2018-07-10 09:28:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 854.90 Mbit/s

95th percentile per-packet one-way delay: 106.691 ms

Loss rate: 18.79%

-- Flow 1:

Average throughput: 392.41 Mbit/s

95th percentile per-packet one-way delay: 98.836 ms

Loss rate: 16.15%

-- Flow 2:

Average throughput: 611.08 Mbit/s

95th percentile per-packet one-way delay: 121.764 ms

Loss rate: 19.92%

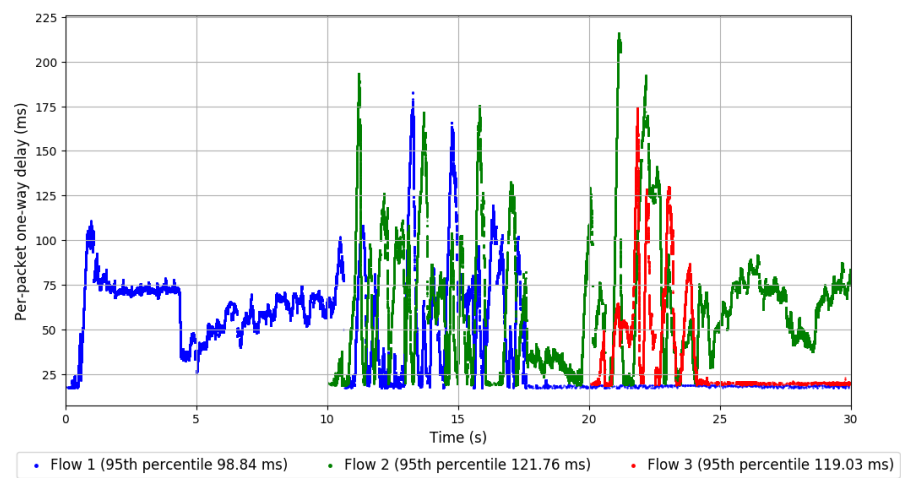
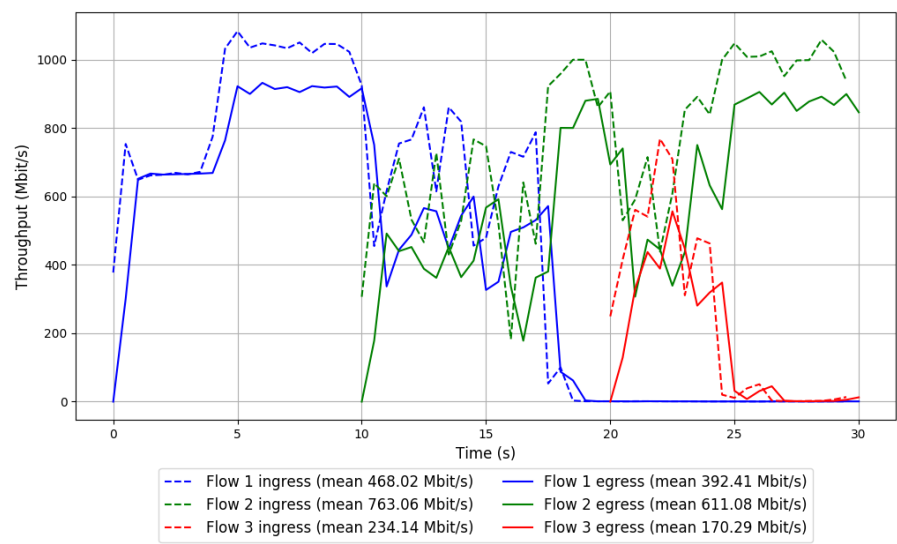
-- Flow 3:

Average throughput: 170.29 Mbit/s

95th percentile per-packet one-way delay: 119.033 ms

Loss rate: 27.27%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 06:17:42

End at: 2018-07-10 06:18:12

Local clock offset: 0.018 ms

Remote clock offset: 3.481 ms

Below is generated by plot.py at 2018-07-10 09:28:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.16 Mbit/s

95th percentile per-packet one-way delay: 98.548 ms

Loss rate: 7.00%

-- Flow 1:

Average throughput: 190.59 Mbit/s

95th percentile per-packet one-way delay: 84.494 ms

Loss rate: 5.25%

-- Flow 2:

Average throughput: 378.09 Mbit/s

95th percentile per-packet one-way delay: 112.470 ms

Loss rate: 4.66%

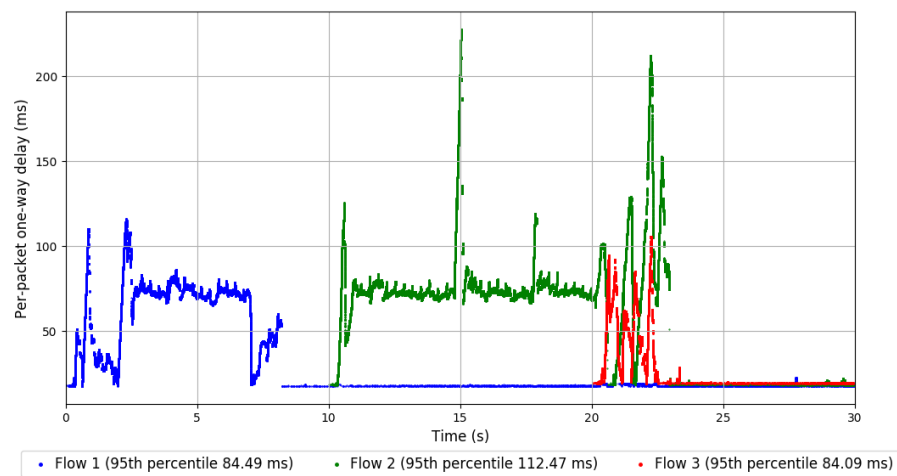
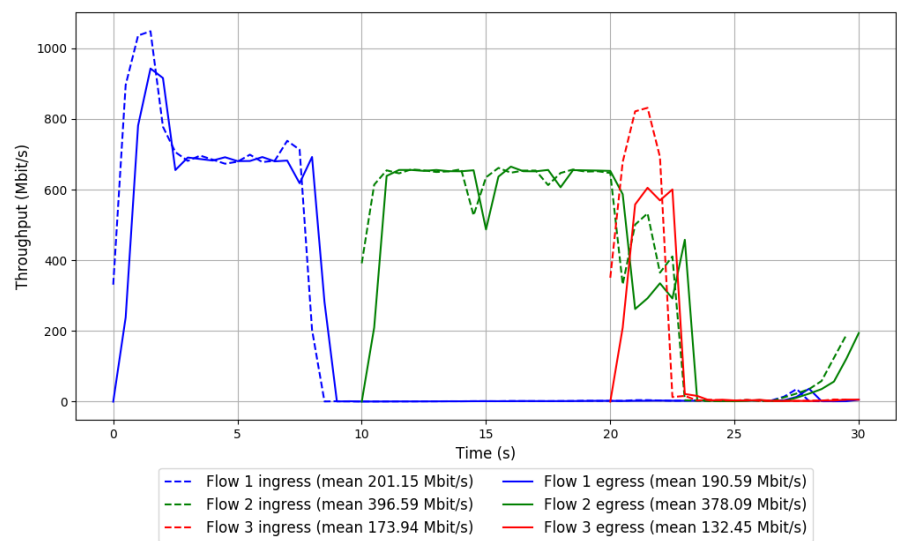
-- Flow 3:

Average throughput: 132.45 Mbit/s

95th percentile per-packet one-way delay: 84.094 ms

Loss rate: 23.85%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 06:44:56

End at: 2018-07-10 06:45:26

Local clock offset: 0.136 ms

Remote clock offset: 3.494 ms

Below is generated by plot.py at 2018-07-10 09:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 852.29 Mbit/s

95th percentile per-packet one-way delay: 113.538 ms

Loss rate: 20.27%

-- Flow 1:

Average throughput: 593.85 Mbit/s

95th percentile per-packet one-way delay: 113.336 ms

Loss rate: 17.64%

-- Flow 2:

Average throughput: 232.18 Mbit/s

95th percentile per-packet one-way delay: 133.747 ms

Loss rate: 26.81%

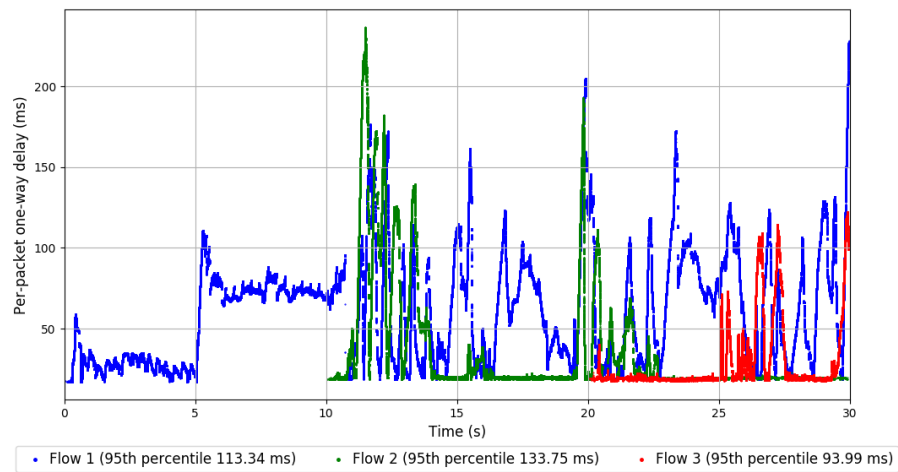
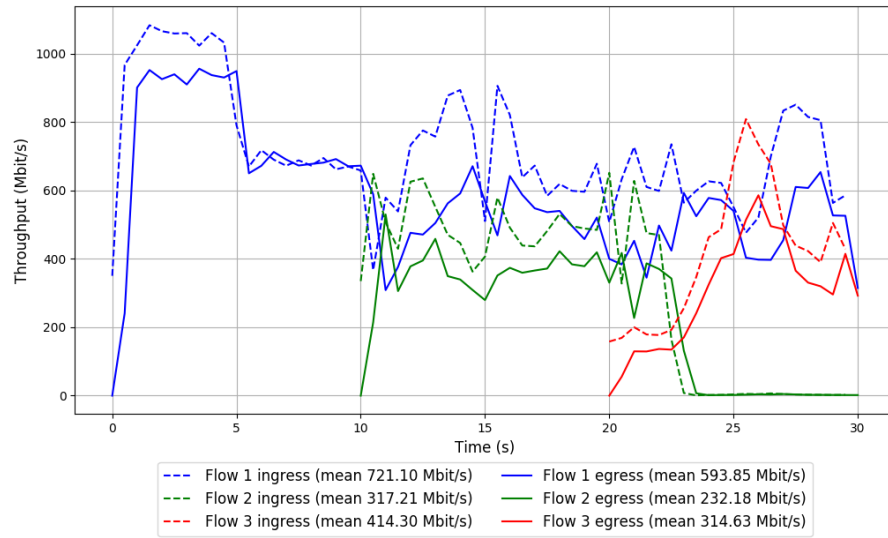
-- Flow 3:

Average throughput: 314.63 Mbit/s

95th percentile per-packet one-way delay: 93.987 ms

Loss rate: 24.06%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 07:12:17

End at: 2018-07-10 07:12:47

Local clock offset: 0.206 ms

Remote clock offset: 1.175 ms

Below is generated by plot.py at 2018-07-10 09:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 734.84 Mbit/s

95th percentile per-packet one-way delay: 108.826 ms

Loss rate: 23.05%

-- Flow 1:

Average throughput: 441.17 Mbit/s

95th percentile per-packet one-way delay: 100.596 ms

Loss rate: 19.71%

-- Flow 2:

Average throughput: 357.64 Mbit/s

95th percentile per-packet one-way delay: 124.130 ms

Loss rate: 27.41%

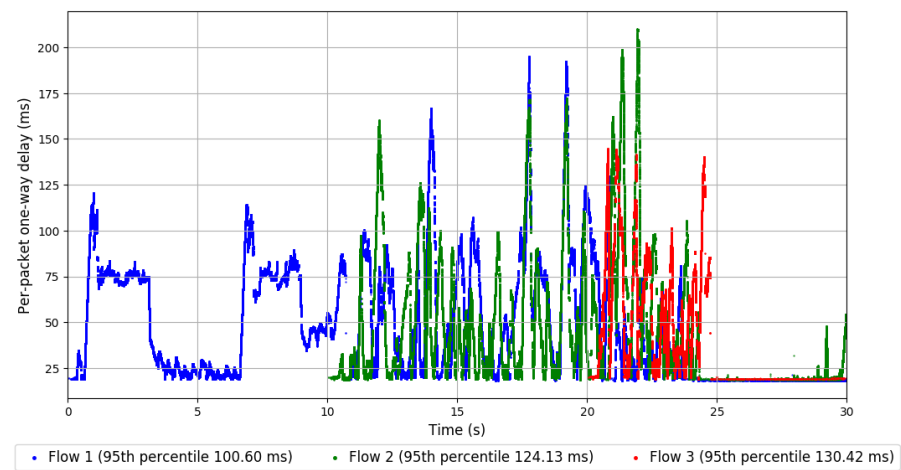
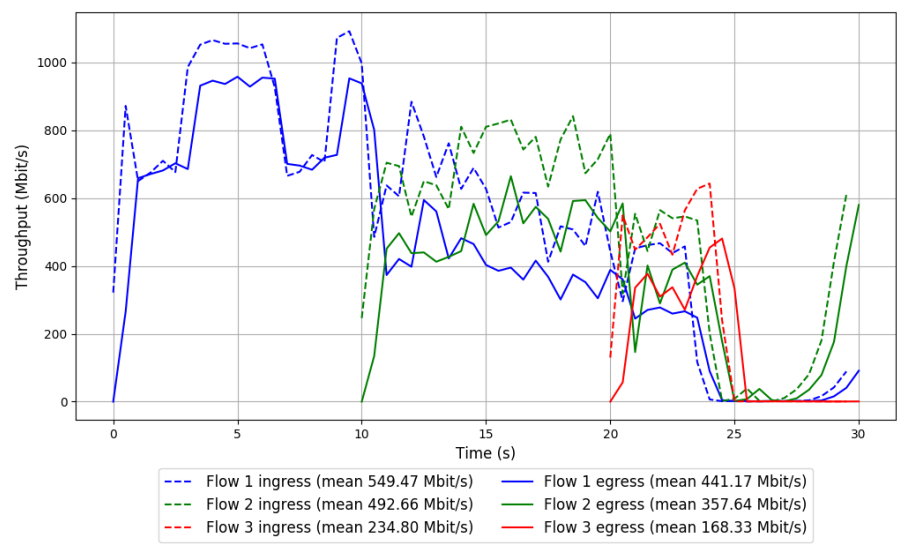
-- Flow 3:

Average throughput: 168.33 Mbit/s

95th percentile per-packet one-way delay: 130.419 ms

Loss rate: 28.31%

Run 8: Report of FillP-Sheep — Data Link

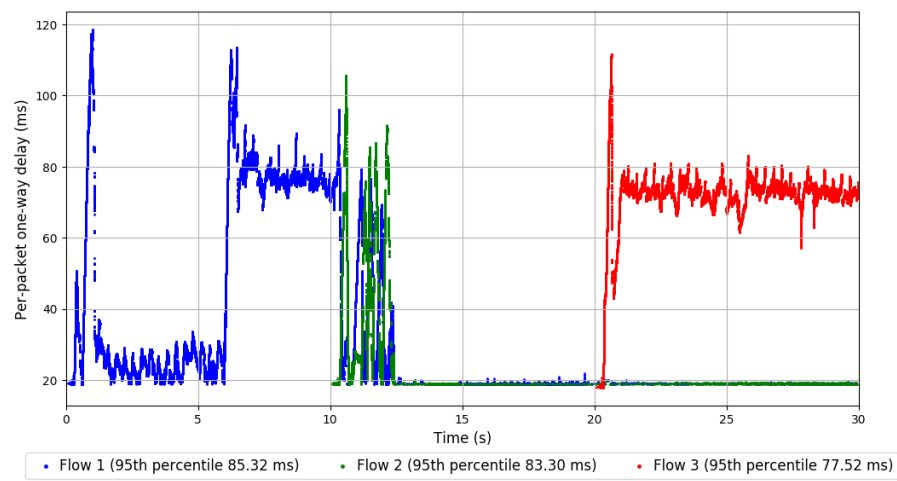
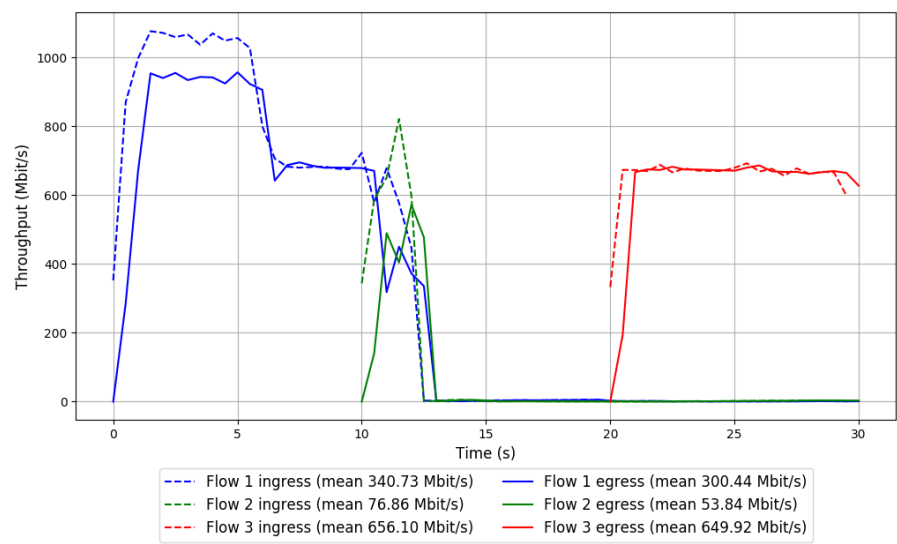


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 07:39:42
End at: 2018-07-10 07:40:12
Local clock offset: 0.694 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-07-10 09:35:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 551.28 Mbit/s
95th percentile per-packet one-way delay: 81.705 ms
Loss rate: 9.46%
-- Flow 1:
Average throughput: 300.44 Mbit/s
95th percentile per-packet one-way delay: 85.323 ms
Loss rate: 11.83%
-- Flow 2:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 83.304 ms
Loss rate: 29.95%
-- Flow 3:
Average throughput: 649.92 Mbit/s
95th percentile per-packet one-way delay: 77.516 ms
Loss rate: 0.94%

Run 9: Report of FillP-Sheep — Data Link

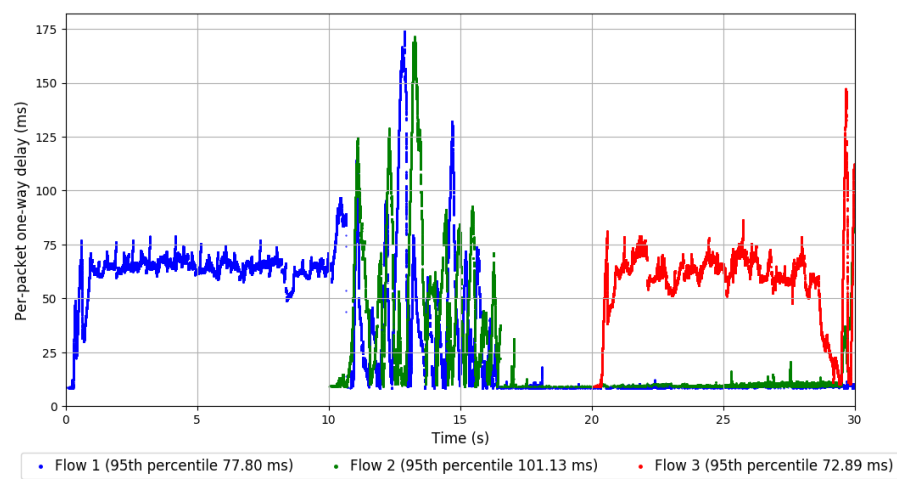
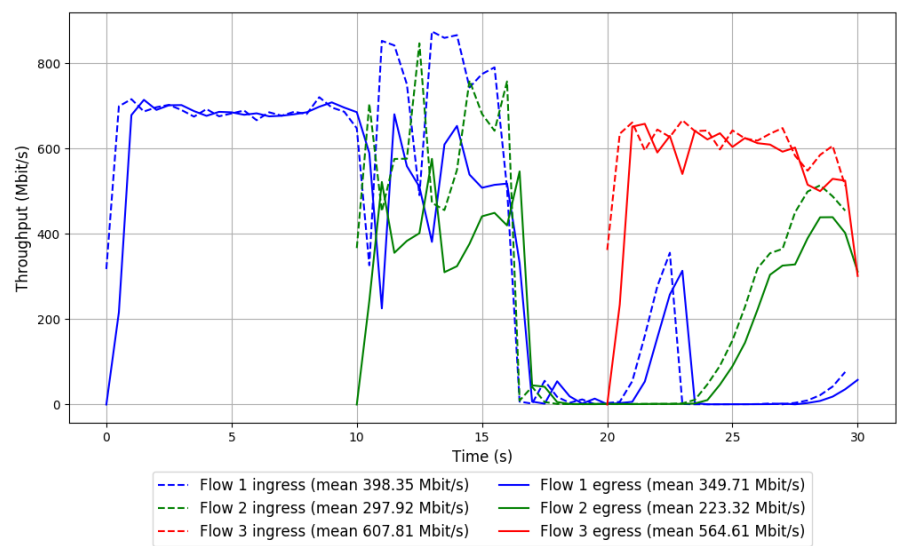


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 08:06:38
End at: 2018-07-10 08:07:08
Local clock offset: 9.617 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-10 09:35:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 685.51 Mbit/s
95th percentile per-packet one-way delay: 78.526 ms
Loss rate: 14.11%
-- Flow 1:
Average throughput: 349.71 Mbit/s
95th percentile per-packet one-way delay: 77.804 ms
Loss rate: 12.21%
-- Flow 2:
Average throughput: 223.32 Mbit/s
95th percentile per-packet one-way delay: 101.127 ms
Loss rate: 25.03%
-- Flow 3:
Average throughput: 564.61 Mbit/s
95th percentile per-packet one-way delay: 72.885 ms
Loss rate: 7.09%

Run 10: Report of FillP-Sheep — Data Link

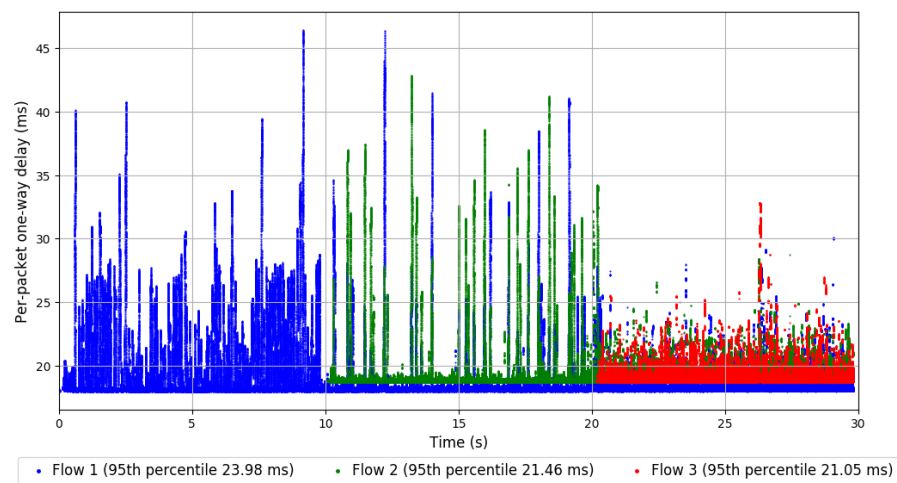
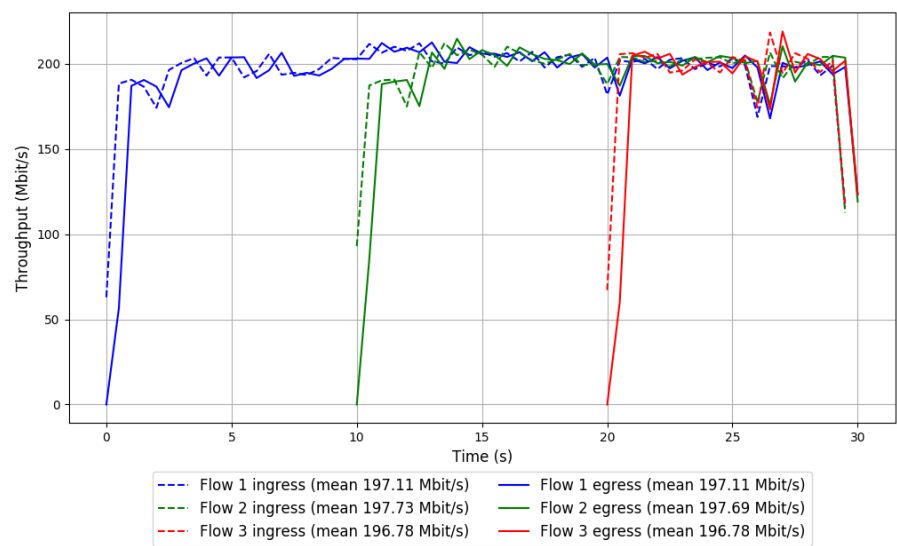


Run 1: Statistics of Indigo

Start at: 2018-07-10 03:53:17
End at: 2018-07-10 03:53:47
Local clock offset: 0.433 ms
Remote clock offset: -7.596 ms

Below is generated by plot.py at 2018-07-10 09:35:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.63 Mbit/s
95th percentile per-packet one-way delay: 22.623 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.11 Mbit/s
95th percentile per-packet one-way delay: 23.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.69 Mbit/s
95th percentile per-packet one-way delay: 21.456 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 196.78 Mbit/s
95th percentile per-packet one-way delay: 21.046 ms
Loss rate: 0.01%

Run 1: Report of Indigo — Data Link

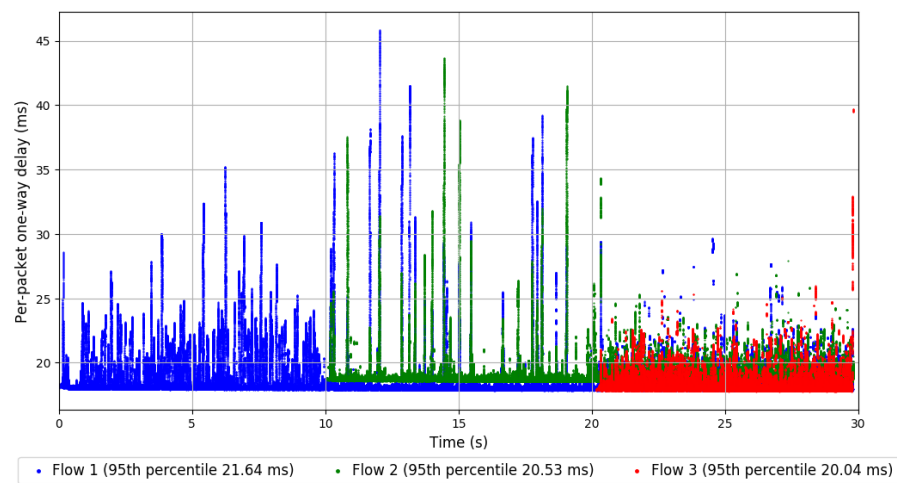
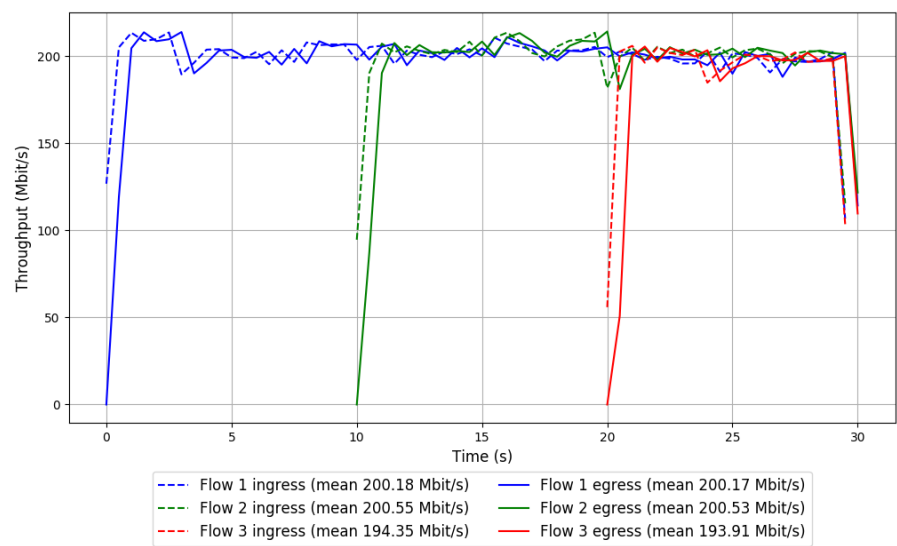


Run 2: Statistics of Indigo

Start at: 2018-07-10 04:20:31
End at: 2018-07-10 04:21:01
Local clock offset: 0.109 ms
Remote clock offset: -4.937 ms

Below is generated by plot.py at 2018-07-10 09:35:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.74 Mbit/s
95th percentile per-packet one-way delay: 20.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.17 Mbit/s
95th percentile per-packet one-way delay: 21.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.53 Mbit/s
95th percentile per-packet one-way delay: 20.529 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 193.91 Mbit/s
95th percentile per-packet one-way delay: 20.038 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

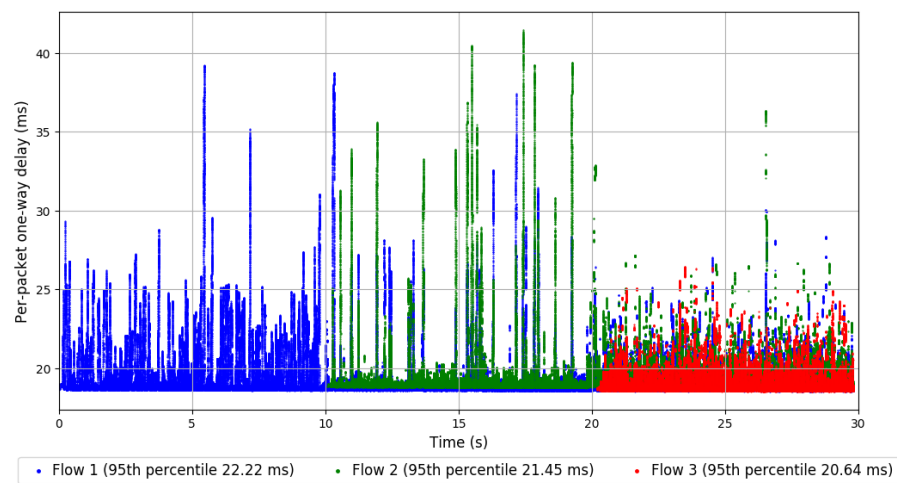
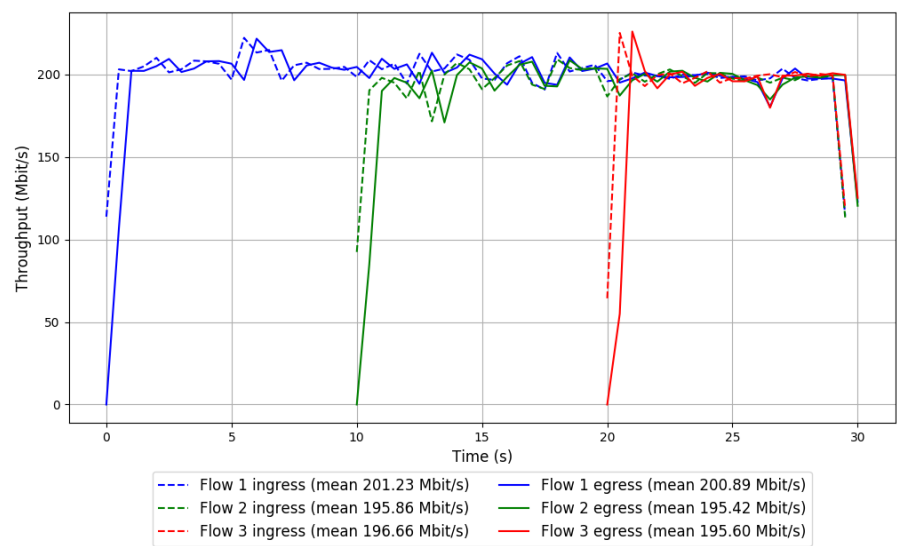


Run 3: Statistics of Indigo

Start at: 2018-07-10 04:47:46
End at: 2018-07-10 04:48:16
Local clock offset: -0.082 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-07-10 09:35:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.39 Mbit/s
95th percentile per-packet one-way delay: 21.706 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 200.89 Mbit/s
95th percentile per-packet one-way delay: 22.223 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 195.42 Mbit/s
95th percentile per-packet one-way delay: 21.452 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 195.60 Mbit/s
95th percentile per-packet one-way delay: 20.645 ms
Loss rate: 0.55%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-10 05:15:07

End at: 2018-07-10 05:15:37

Local clock offset: -0.158 ms

Remote clock offset: 1.745 ms

Below is generated by plot.py at 2018-07-10 09:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.68 Mbit/s

95th percentile per-packet one-way delay: 21.430 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 198.53 Mbit/s

95th percentile per-packet one-way delay: 21.482 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 194.42 Mbit/s

95th percentile per-packet one-way delay: 21.696 ms

Loss rate: 0.34%

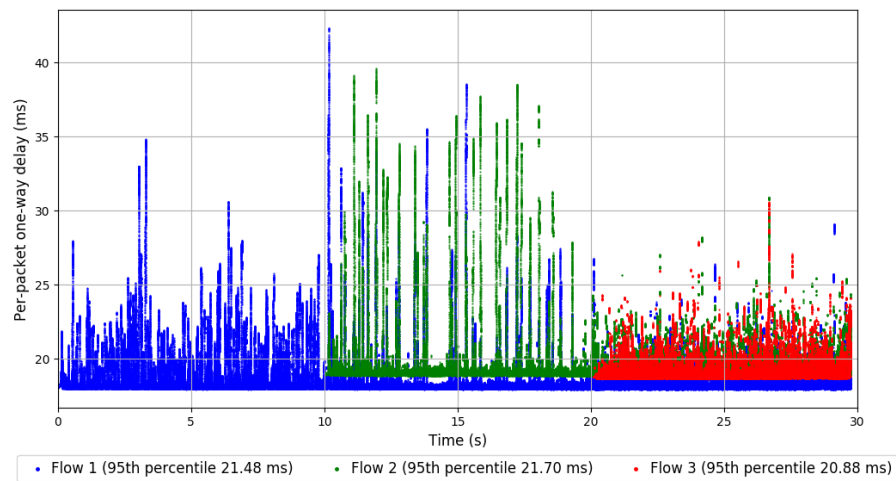
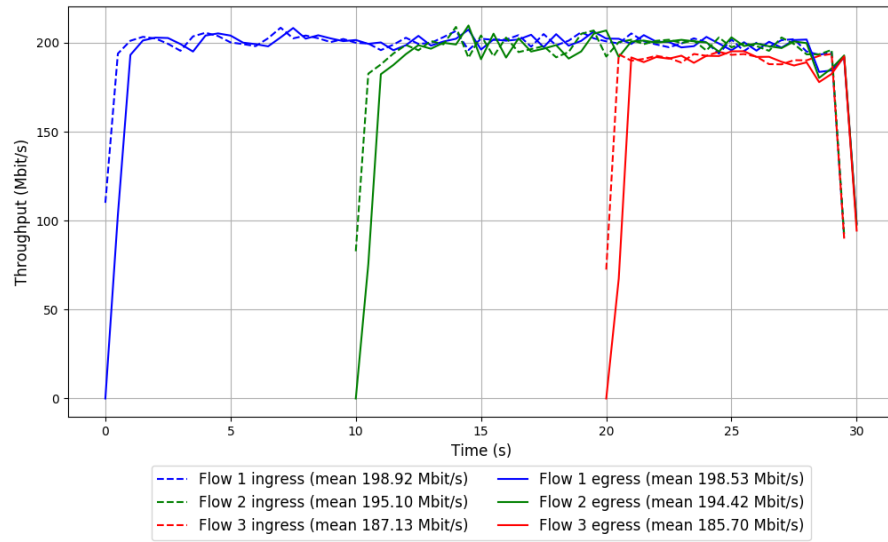
-- Flow 3:

Average throughput: 185.70 Mbit/s

95th percentile per-packet one-way delay: 20.879 ms

Loss rate: 0.76%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-10 05:42:24

End at: 2018-07-10 05:42:54

Local clock offset: -0.11 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-07-10 09:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.37 Mbit/s

95th percentile per-packet one-way delay: 20.992 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 198.11 Mbit/s

95th percentile per-packet one-way delay: 21.186 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 201.95 Mbit/s

95th percentile per-packet one-way delay: 20.641 ms

Loss rate: 0.01%

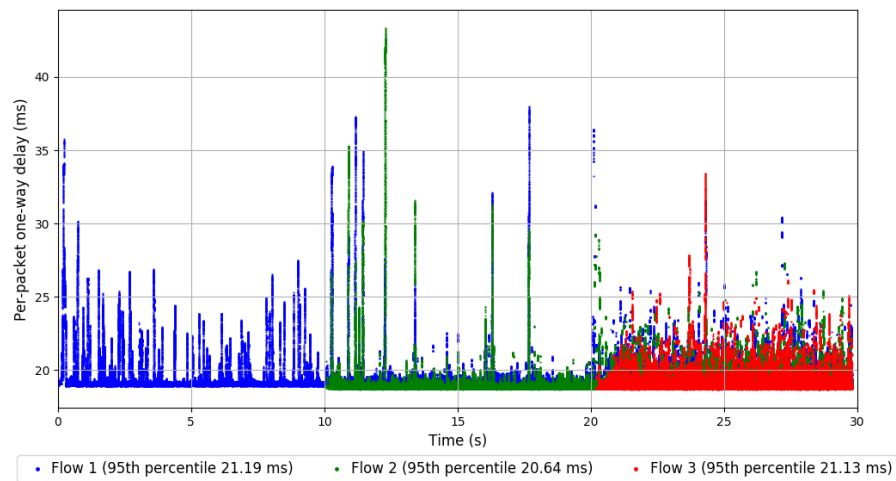
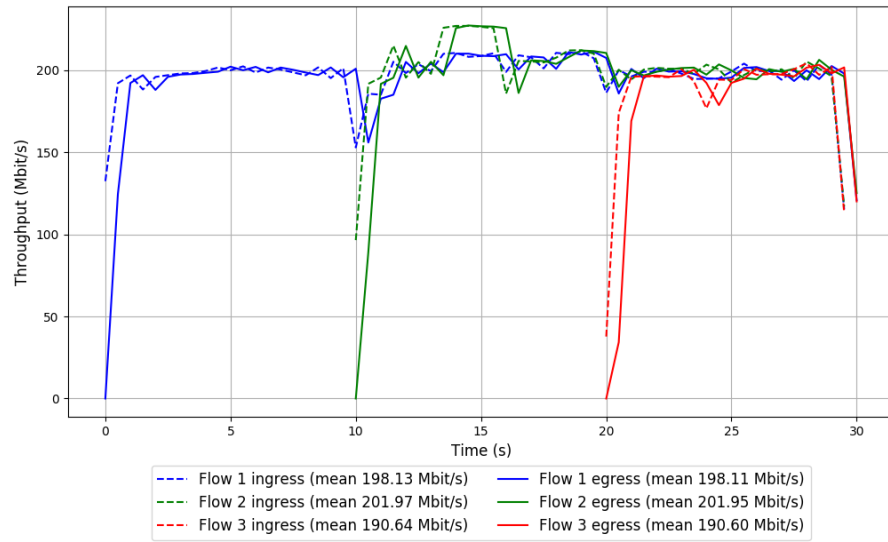
-- Flow 3:

Average throughput: 190.60 Mbit/s

95th percentile per-packet one-way delay: 21.127 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-10 06:09:45

End at: 2018-07-10 06:10:15

Local clock offset: 0.099 ms

Remote clock offset: 2.894 ms

Below is generated by plot.py at 2018-07-10 09:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.85 Mbit/s

95th percentile per-packet one-way delay: 22.153 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 197.14 Mbit/s

95th percentile per-packet one-way delay: 23.187 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 196.81 Mbit/s

95th percentile per-packet one-way delay: 20.401 ms

Loss rate: 0.00%

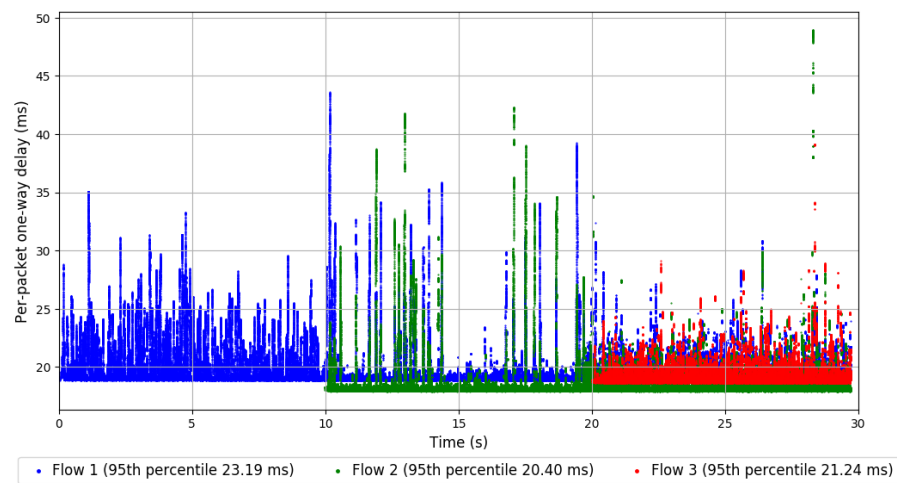
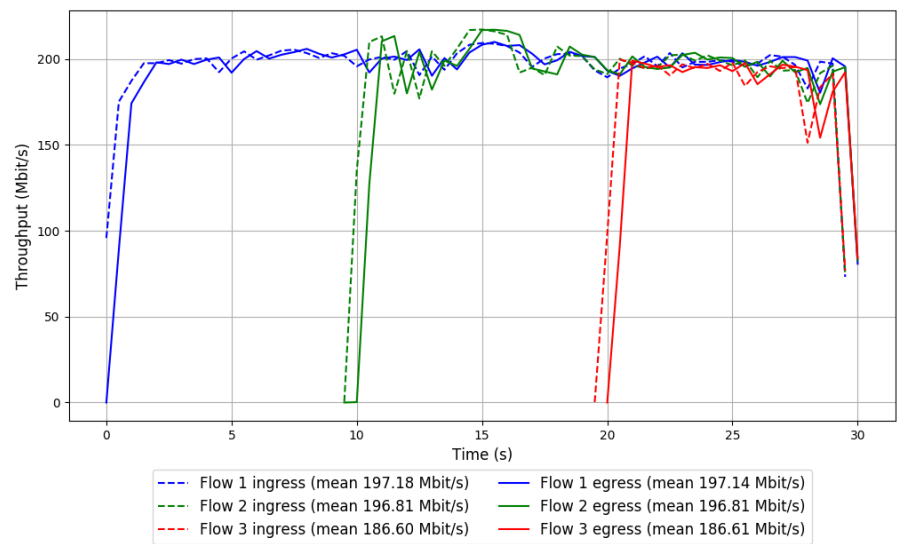
-- Flow 3:

Average throughput: 186.61 Mbit/s

95th percentile per-packet one-way delay: 21.243 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-10 06:36:51

End at: 2018-07-10 06:37:21

Local clock offset: 0.147 ms

Remote clock offset: 3.556 ms

Below is generated by plot.py at 2018-07-10 09:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.75 Mbit/s

95th percentile per-packet one-way delay: 20.808 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 180.91 Mbit/s

95th percentile per-packet one-way delay: 20.817 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 200.96 Mbit/s

95th percentile per-packet one-way delay: 20.576 ms

Loss rate: 0.22%

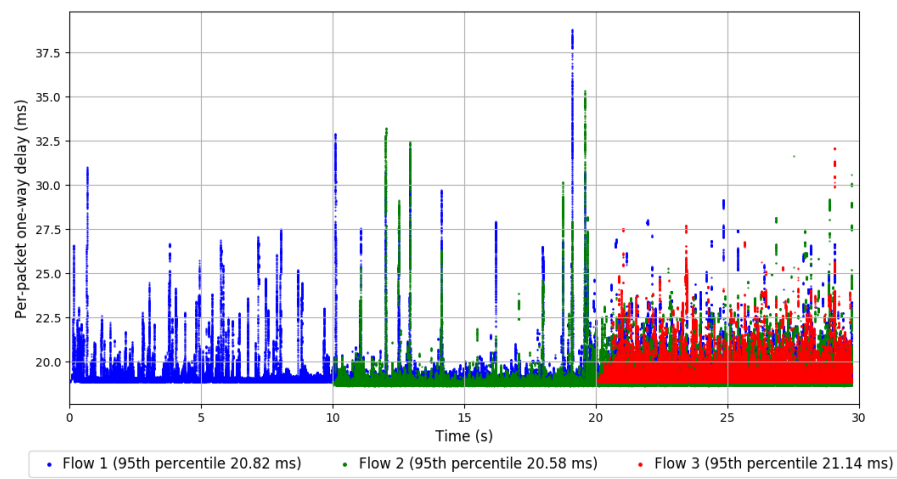
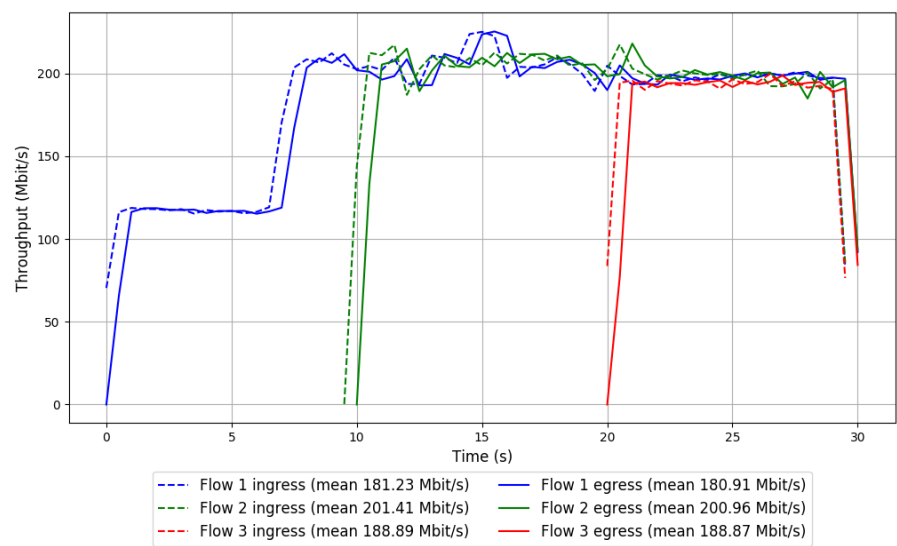
-- Flow 3:

Average throughput: 188.87 Mbit/s

95th percentile per-packet one-way delay: 21.143 ms

Loss rate: 0.01%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-10 07:04:20

End at: 2018-07-10 07:04:50

Local clock offset: 0.21 ms

Remote clock offset: 3.365 ms

Below is generated by plot.py at 2018-07-10 09:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.86 Mbit/s

95th percentile per-packet one-way delay: 21.642 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 196.85 Mbit/s

95th percentile per-packet one-way delay: 21.968 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 195.66 Mbit/s

95th percentile per-packet one-way delay: 21.020 ms

Loss rate: 0.01%

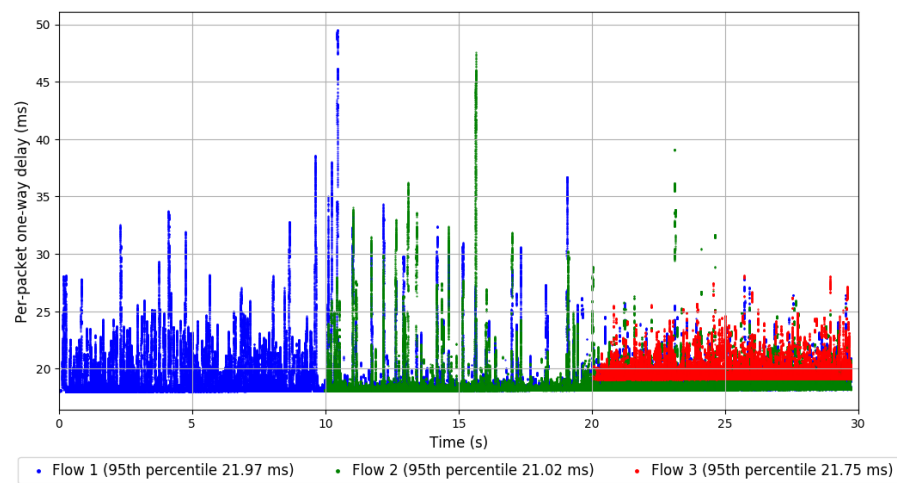
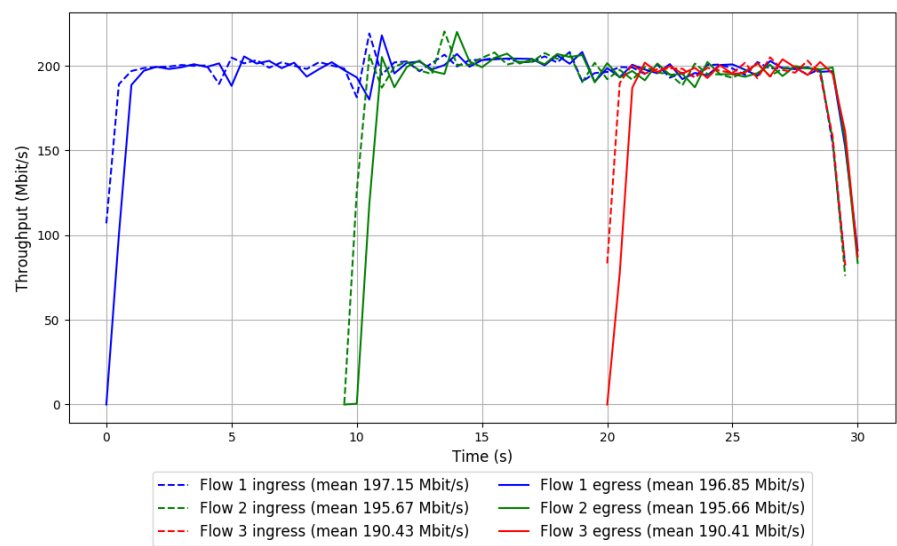
-- Flow 3:

Average throughput: 190.41 Mbit/s

95th percentile per-packet one-way delay: 21.755 ms

Loss rate: 0.01%

Run 8: Report of Indigo — Data Link

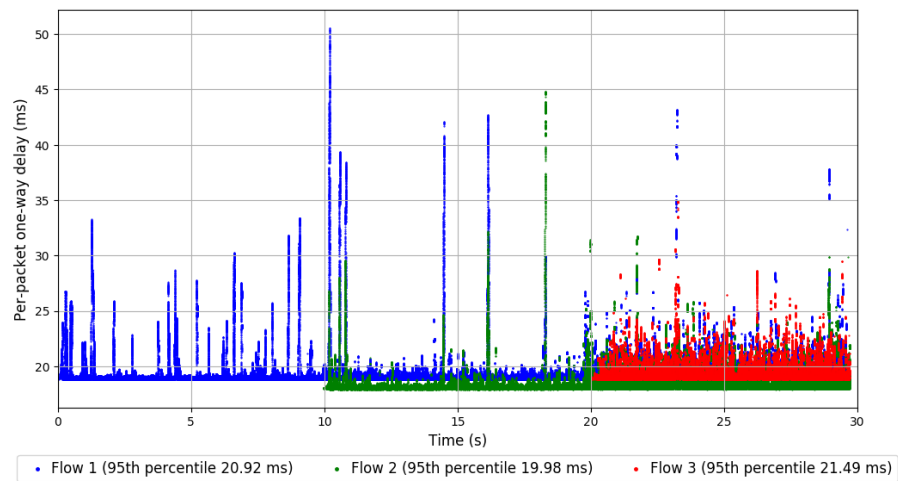
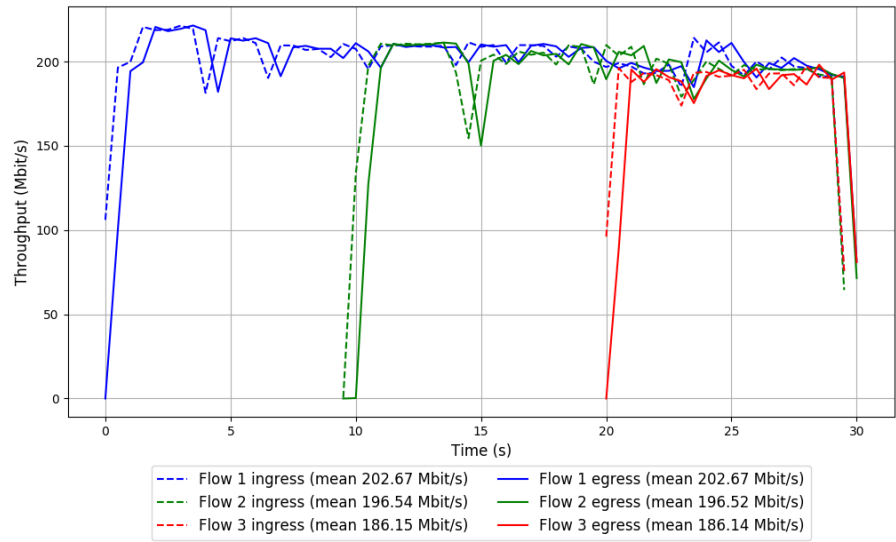


Run 9: Statistics of Indigo

Start at: 2018-07-10 07:31:44
End at: 2018-07-10 07:32:14
Local clock offset: 0.619 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-10 09:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.85 Mbit/s
95th percentile per-packet one-way delay: 20.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.67 Mbit/s
95th percentile per-packet one-way delay: 20.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 196.52 Mbit/s
95th percentile per-packet one-way delay: 19.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 186.14 Mbit/s
95th percentile per-packet one-way delay: 21.489 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

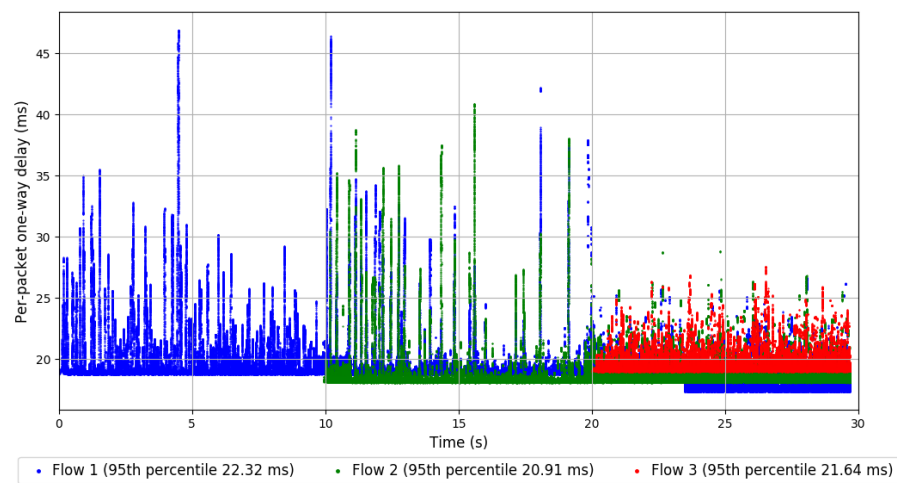
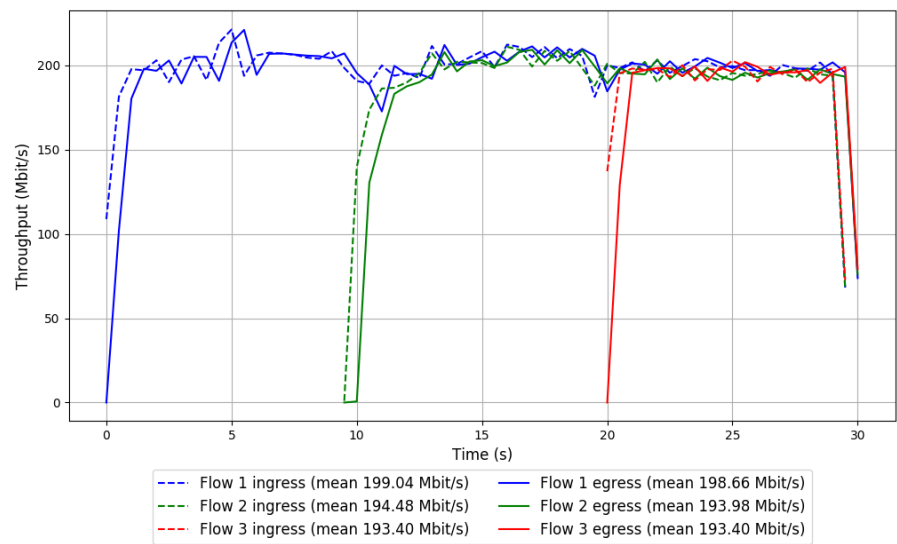


Run 10: Statistics of Indigo

Start at: 2018-07-10 07:58:39
End at: 2018-07-10 07:59:09
Local clock offset: 0.688 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-10 09:37:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.84 Mbit/s
95th percentile per-packet one-way delay: 21.699 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 198.66 Mbit/s
95th percentile per-packet one-way delay: 22.324 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 193.98 Mbit/s
95th percentile per-packet one-way delay: 20.913 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 193.40 Mbit/s
95th percentile per-packet one-way delay: 21.641 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

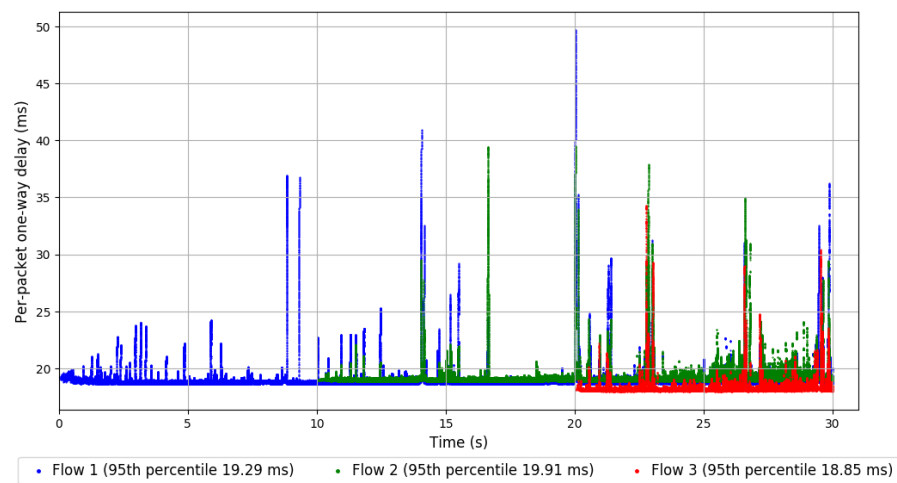
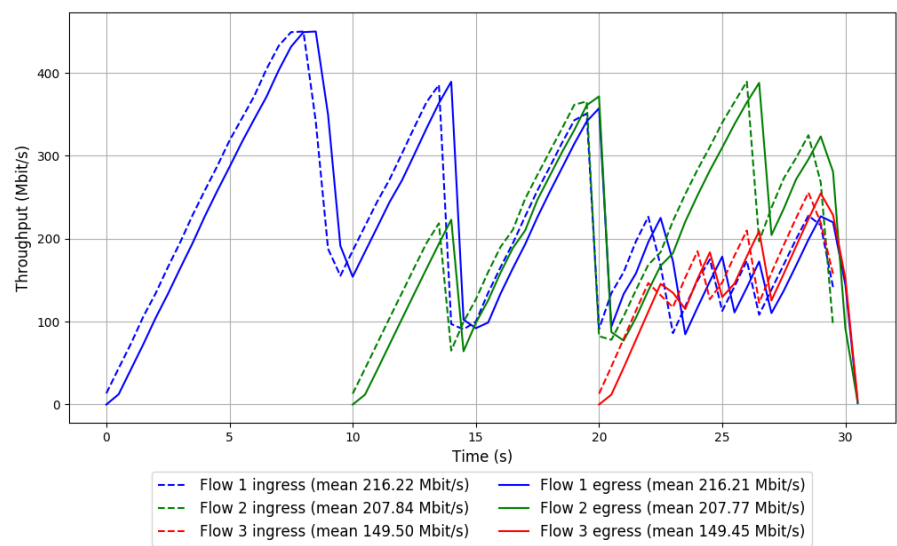


Run 1: Statistics of LEDBAT

Start at: 2018-07-10 03:54:52
End at: 2018-07-10 03:55:22
Local clock offset: 0.425 ms
Remote clock offset: -7.717 ms

Below is generated by plot.py at 2018-07-10 09:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.30 Mbit/s
95th percentile per-packet one-way delay: 19.546 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 207.77 Mbit/s
95th percentile per-packet one-way delay: 19.914 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 149.45 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.03%

Run 1: Report of LEDBAT — Data Link

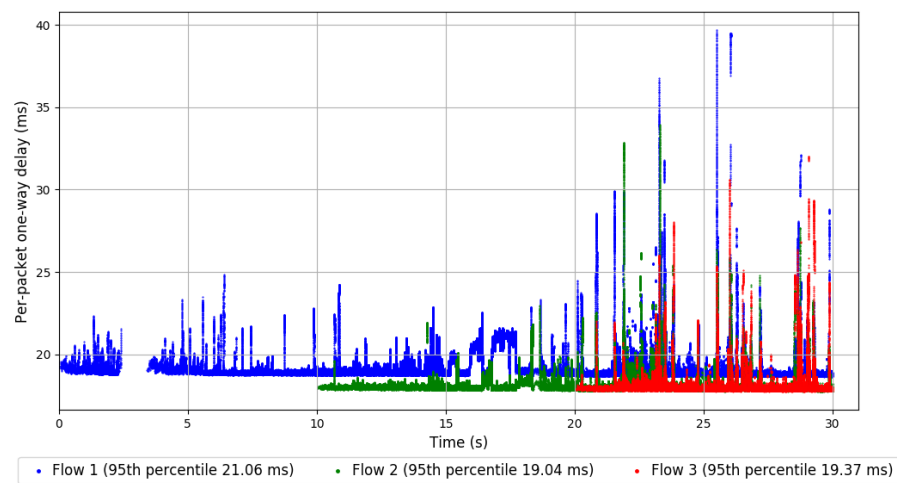
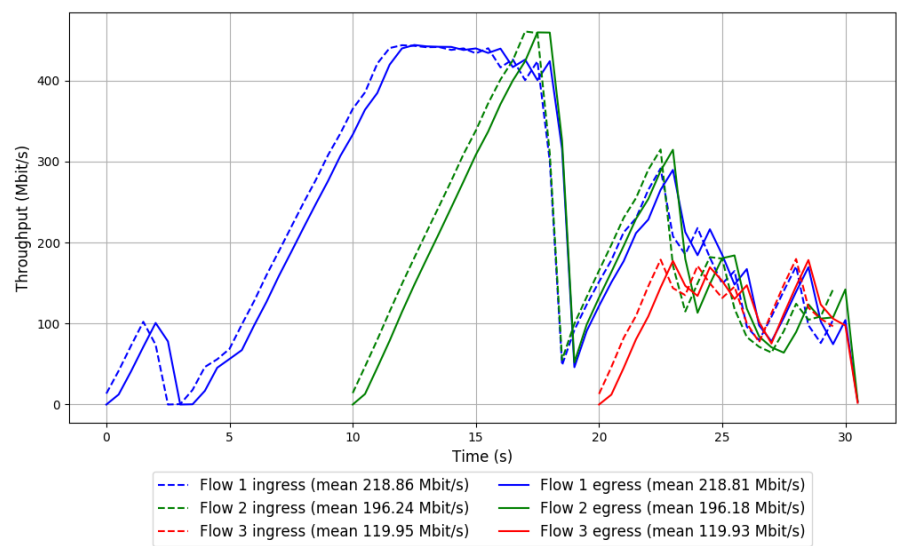


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 04:22:07
End at: 2018-07-10 04:22:37
Local clock offset: 0.108 ms
Remote clock offset: -4.522 ms

Below is generated by plot.py at 2018-07-10 09:38:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.38 Mbit/s
95th percentile per-packet one-way delay: 20.778 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 218.81 Mbit/s
95th percentile per-packet one-way delay: 21.064 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 196.18 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 119.93 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-10 04:49:21

End at: 2018-07-10 04:49:51

Local clock offset: -0.07 ms

Remote clock offset: -1.09 ms

Below is generated by plot.py at 2018-07-10 09:40:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.94 Mbit/s

95th percentile per-packet one-way delay: 18.934 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 294.64 Mbit/s

95th percentile per-packet one-way delay: 18.602 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 207.84 Mbit/s

95th percentile per-packet one-way delay: 19.170 ms

Loss rate: 0.03%

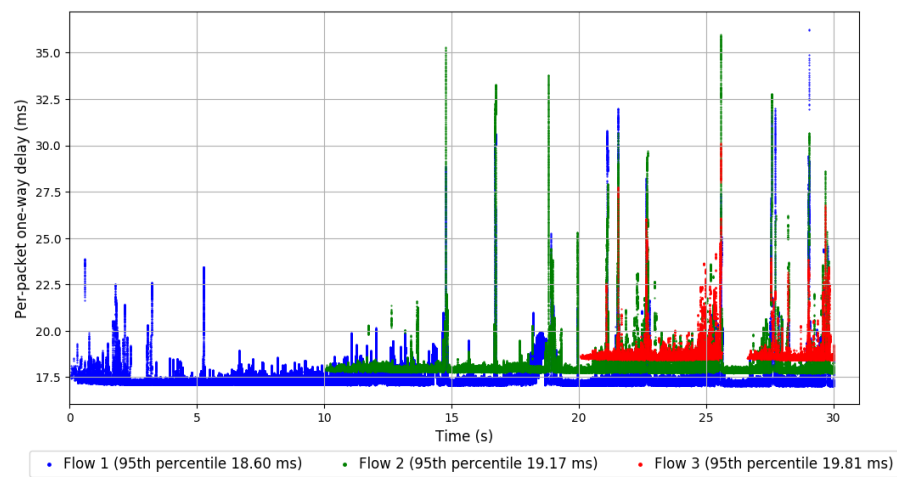
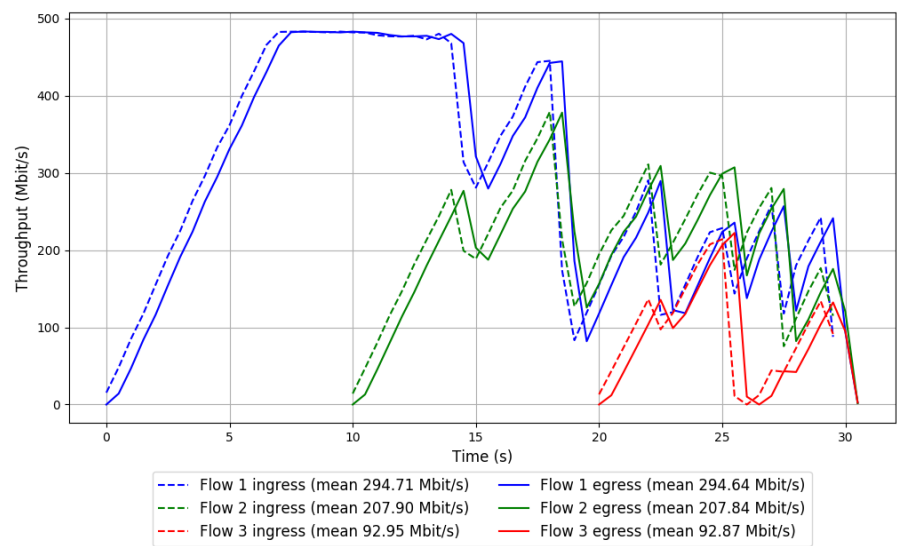
-- Flow 3:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 19.813 ms

Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-10 05:16:42

End at: 2018-07-10 05:17:12

Local clock offset: -0.159 ms

Remote clock offset: 1.877 ms

Below is generated by plot.py at 2018-07-10 09:41:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.34 Mbit/s

95th percentile per-packet one-way delay: 19.650 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 324.54 Mbit/s

95th percentile per-packet one-way delay: 19.647 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 199.80 Mbit/s

95th percentile per-packet one-way delay: 19.718 ms

Loss rate: 0.03%

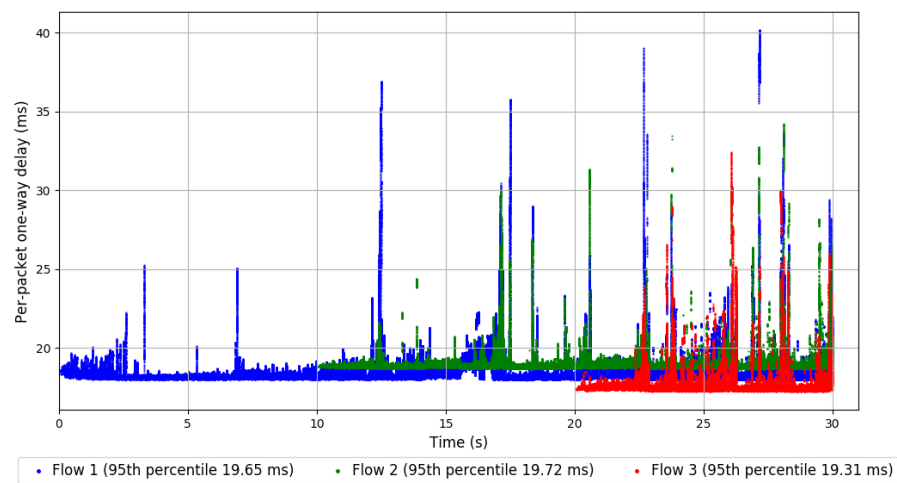
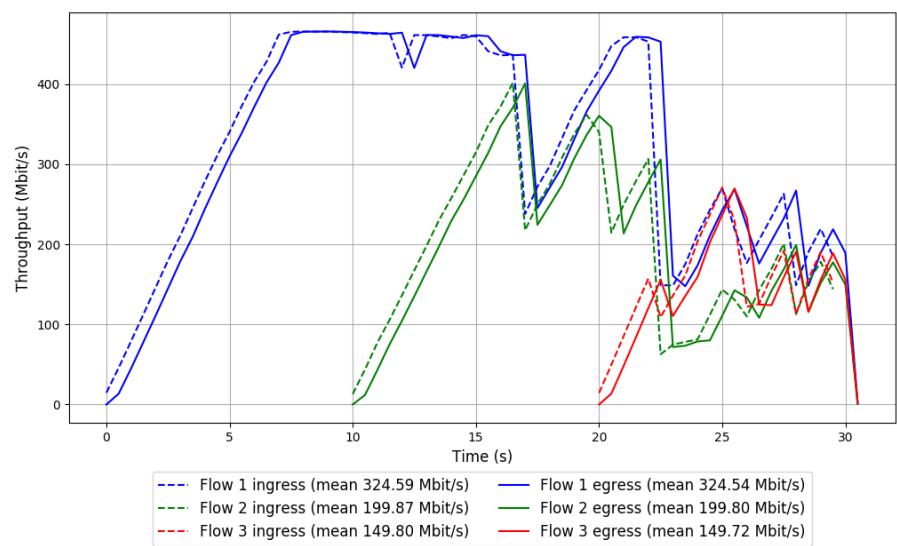
-- Flow 3:

Average throughput: 149.72 Mbit/s

95th percentile per-packet one-way delay: 19.310 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-10 05:44:00

End at: 2018-07-10 05:44:30

Local clock offset: -0.121 ms

Remote clock offset: 0.439 ms

Below is generated by plot.py at 2018-07-10 09:41:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 484.85 Mbit/s

95th percentile per-packet one-way delay: 19.578 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 300.04 Mbit/s

95th percentile per-packet one-way delay: 19.491 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 204.05 Mbit/s

95th percentile per-packet one-way delay: 19.895 ms

Loss rate: 0.03%

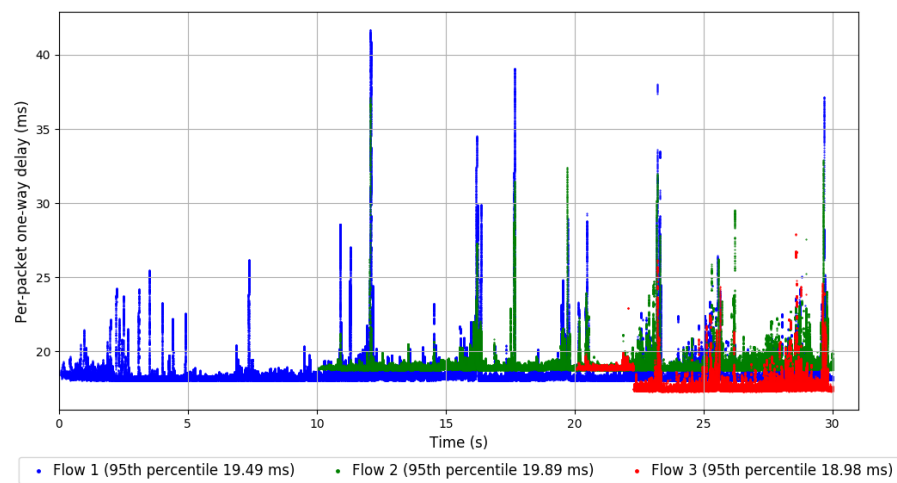
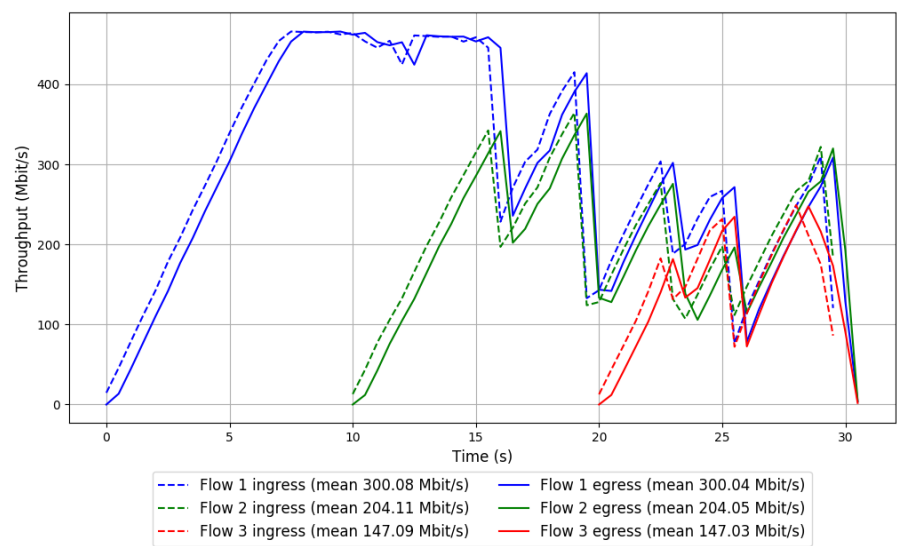
-- Flow 3:

Average throughput: 147.03 Mbit/s

95th percentile per-packet one-way delay: 18.976 ms

Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-10 06:11:20

End at: 2018-07-10 06:11:50

Local clock offset: 0.115 ms

Remote clock offset: 2.985 ms

Below is generated by plot.py at 2018-07-10 09:41:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.01 Mbit/s

95th percentile per-packet one-way delay: 19.721 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 242.86 Mbit/s

95th percentile per-packet one-way delay: 19.422 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 180.05 Mbit/s

95th percentile per-packet one-way delay: 20.002 ms

Loss rate: 0.04%

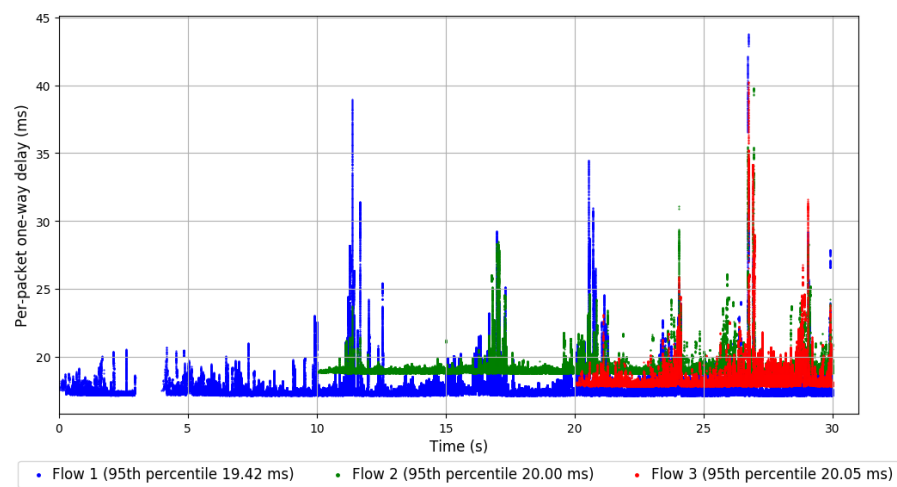
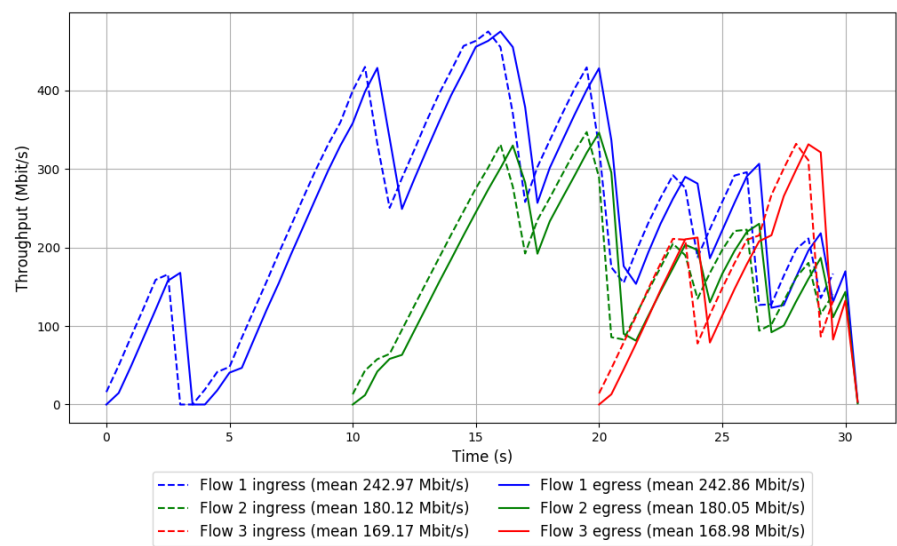
-- Flow 3:

Average throughput: 168.98 Mbit/s

95th percentile per-packet one-way delay: 20.048 ms

Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-10 06:38:26

End at: 2018-07-10 06:38:56

Local clock offset: 0.106 ms

Remote clock offset: 3.529 ms

Below is generated by plot.py at 2018-07-10 09:42:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.53 Mbit/s

95th percentile per-packet one-way delay: 19.772 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 261.00 Mbit/s

95th percentile per-packet one-way delay: 19.557 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 191.48 Mbit/s

95th percentile per-packet one-way delay: 20.057 ms

Loss rate: 0.06%

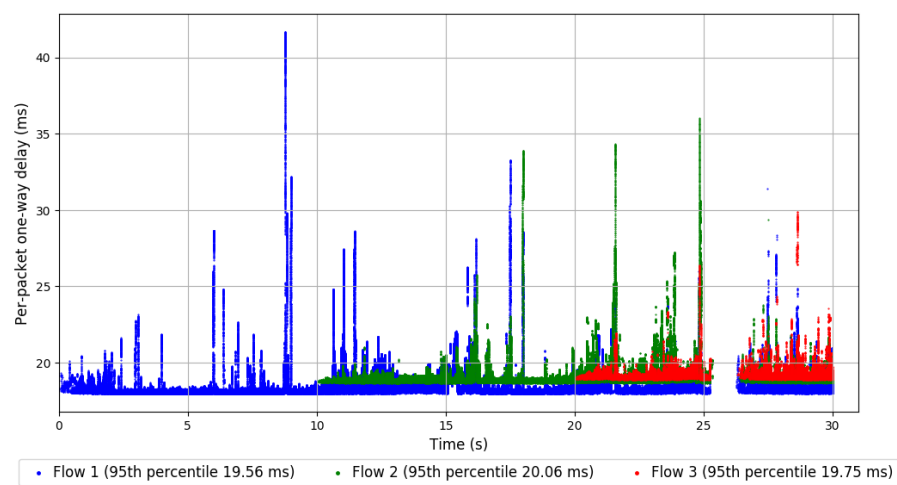
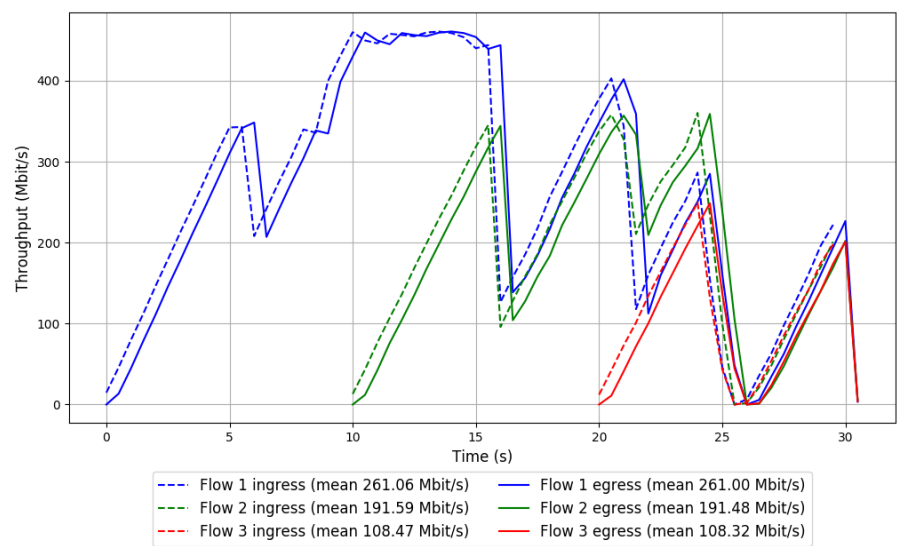
-- Flow 3:

Average throughput: 108.32 Mbit/s

95th percentile per-packet one-way delay: 19.755 ms

Loss rate: 0.14%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

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

Local clock offset: 0.21 ms

Remote clock offset: 2.817 ms

Below is generated by plot.py at 2018-07-10 09:43:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.10 Mbit/s

95th percentile per-packet one-way delay: 19.282 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 299.98 Mbit/s

95th percentile per-packet one-way delay: 19.399 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 187.19 Mbit/s

95th percentile per-packet one-way delay: 19.138 ms

Loss rate: 0.04%

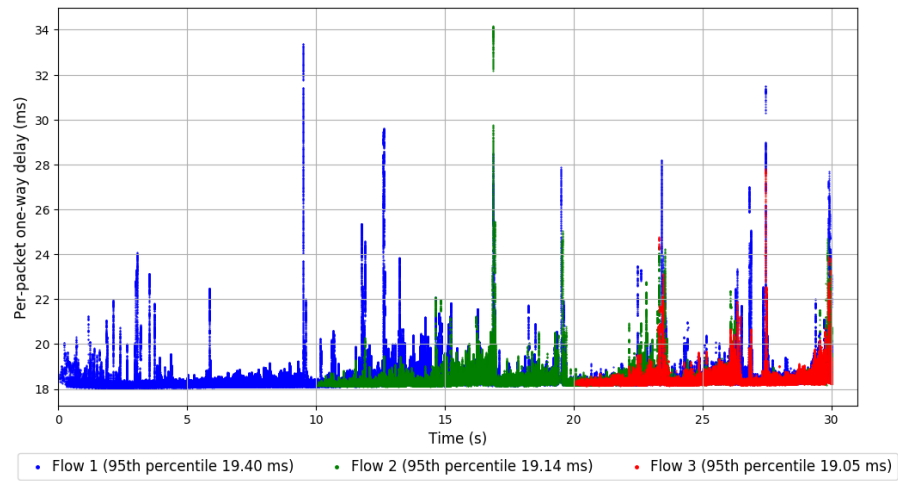
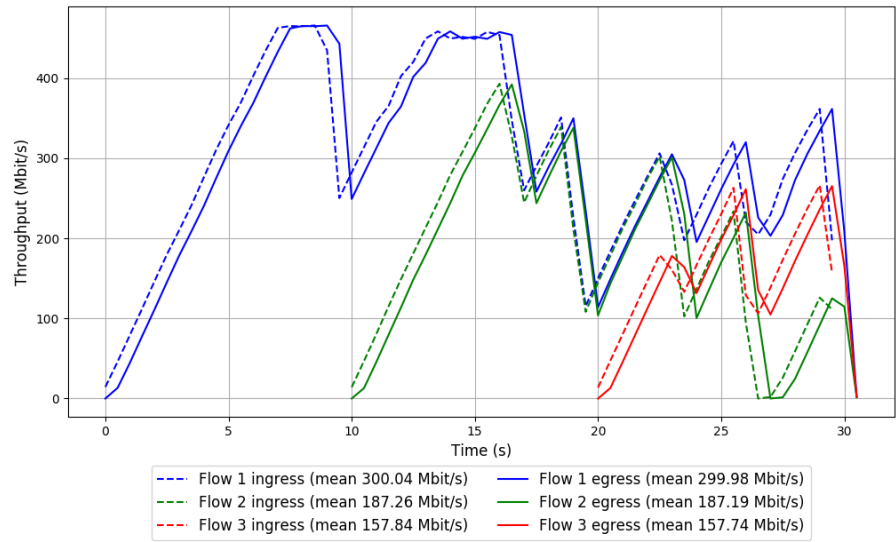
-- Flow 3:

Average throughput: 157.74 Mbit/s

95th percentile per-packet one-way delay: 19.048 ms

Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link

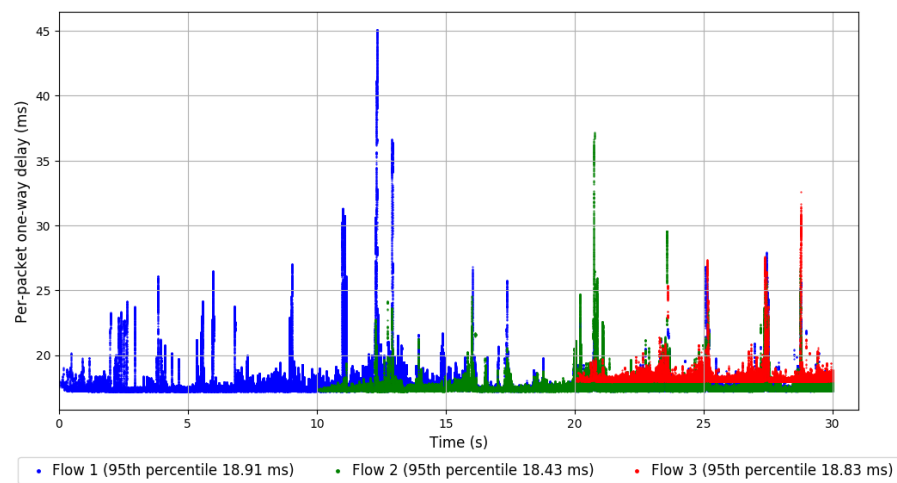
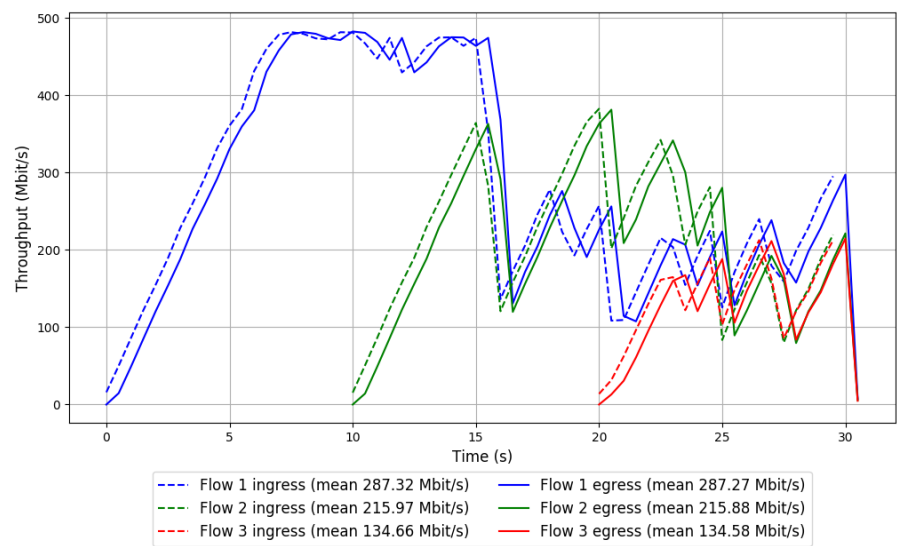


Run 9: Statistics of LEDBAT

Start at: 2018-07-10 07:33:19
End at: 2018-07-10 07:33:49
Local clock offset: 0.649 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-07-10 09:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 475.83 Mbit/s
95th percentile per-packet one-way delay: 18.769 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 287.27 Mbit/s
95th percentile per-packet one-way delay: 18.913 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 215.88 Mbit/s
95th percentile per-packet one-way delay: 18.432 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 134.58 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.06%

Run 9: Report of LEDBAT — Data Link

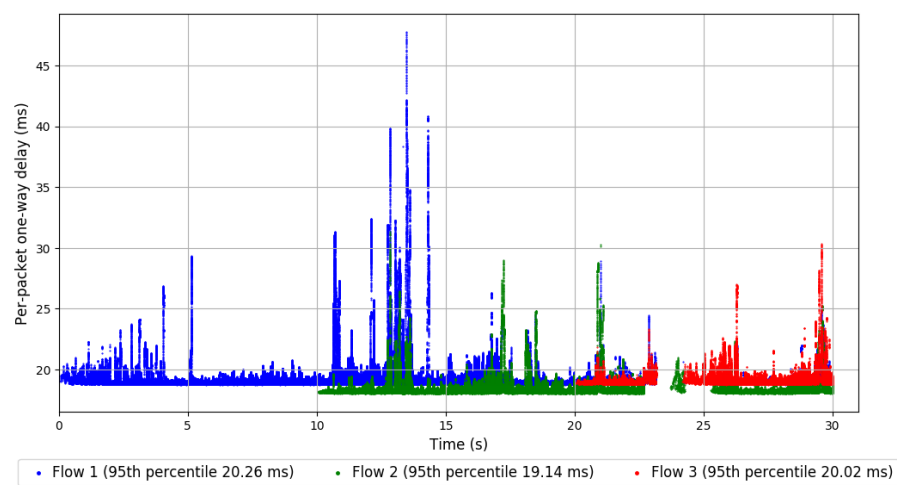
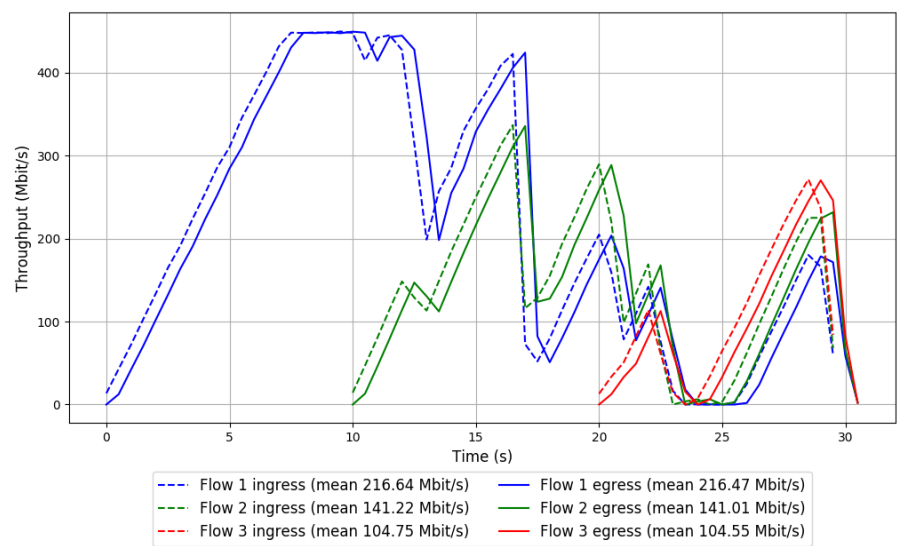


Run 10: Statistics of LEDBAT

Start at: 2018-07-10 08:00:14
End at: 2018-07-10 08:00:44
Local clock offset: 0.686 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-10 09:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.13 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 216.47 Mbit/s
95th percentile per-packet one-way delay: 20.259 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 141.01 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 104.55 Mbit/s
95th percentile per-packet one-way delay: 20.023 ms
Loss rate: 0.19%

Run 10: Report of LEDBAT — Data Link

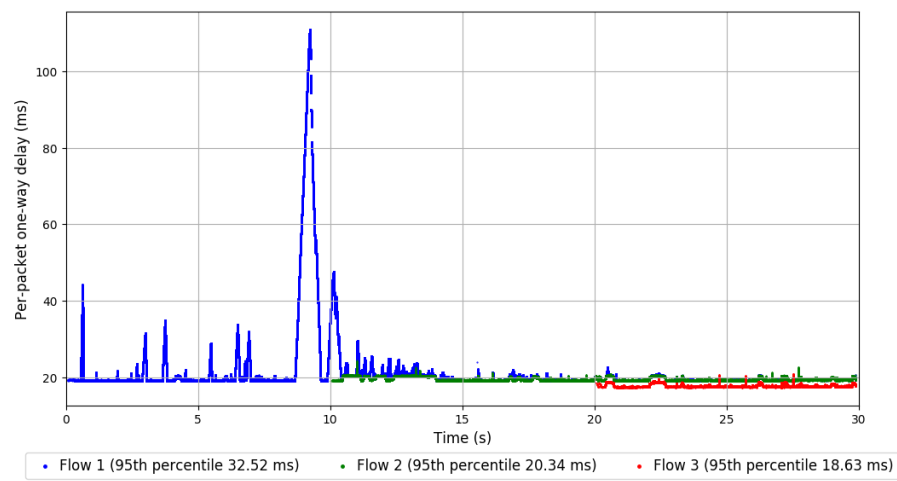
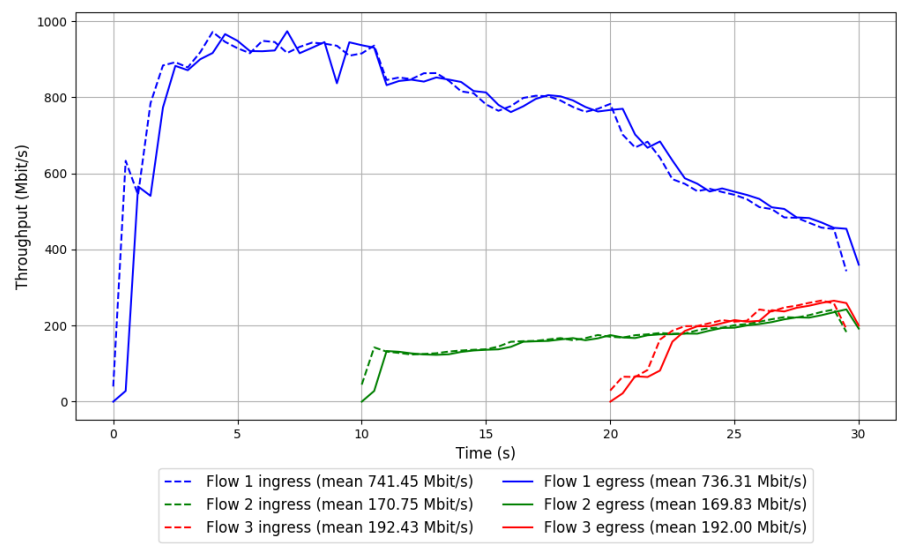


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 03:42:13
End at: 2018-07-10 03:42:43
Local clock offset: 0.521 ms
Remote clock offset: -6.625 ms

Below is generated by plot.py at 2018-07-10 09:51:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 912.48 Mbit/s
95th percentile per-packet one-way delay: 28.968 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 736.31 Mbit/s
95th percentile per-packet one-way delay: 32.516 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 169.83 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 192.00 Mbit/s
95th percentile per-packet one-way delay: 18.631 ms
Loss rate: 0.23%

Run 1: Report of PCC-Allegro — Data Link

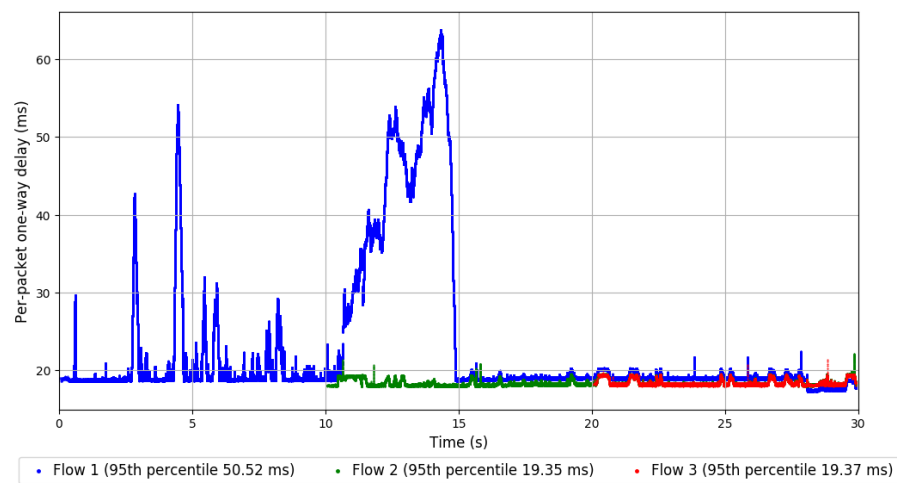
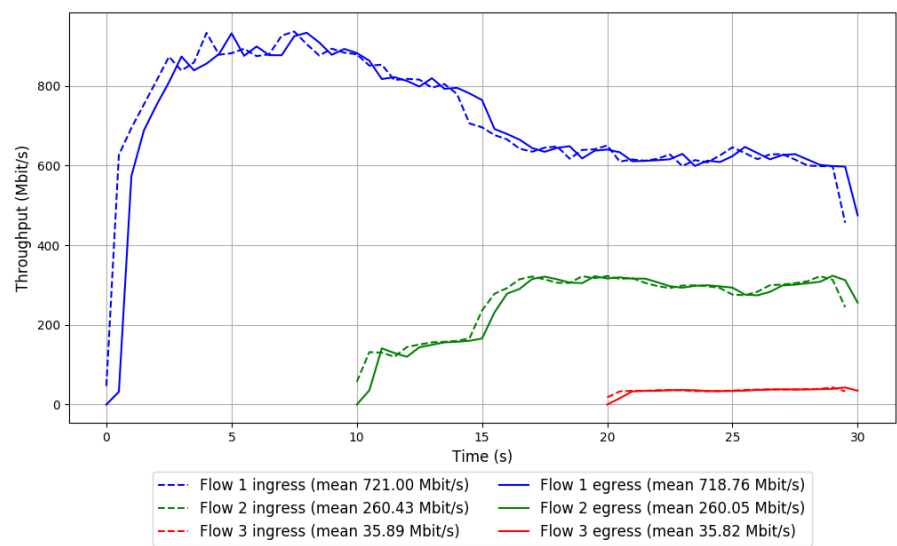


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 04:09:24
End at: 2018-07-10 04:09:54
Local clock offset: 0.228 ms
Remote clock offset: -8.861 ms

Below is generated by plot.py at 2018-07-10 09:52:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 903.48 Mbit/s
95th percentile per-packet one-way delay: 48.796 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 718.76 Mbit/s
95th percentile per-packet one-way delay: 50.522 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 260.05 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.19%

Run 2: Report of PCC-Allegro — Data Link

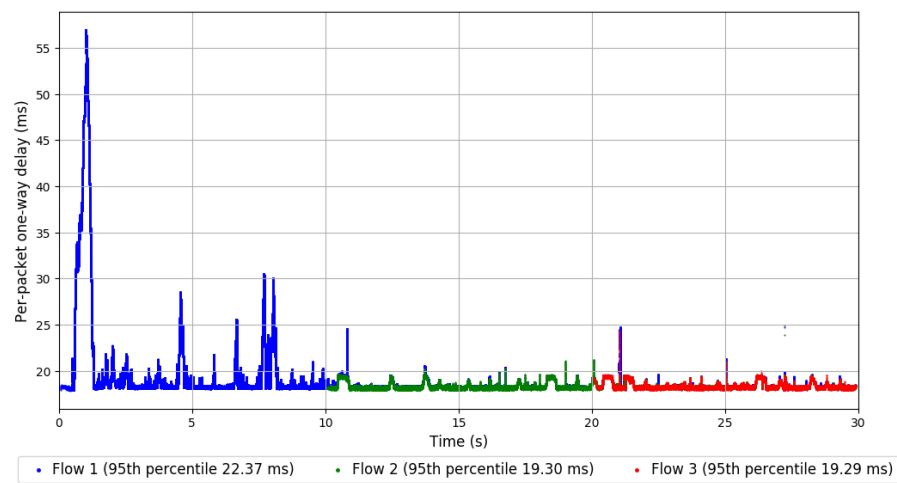
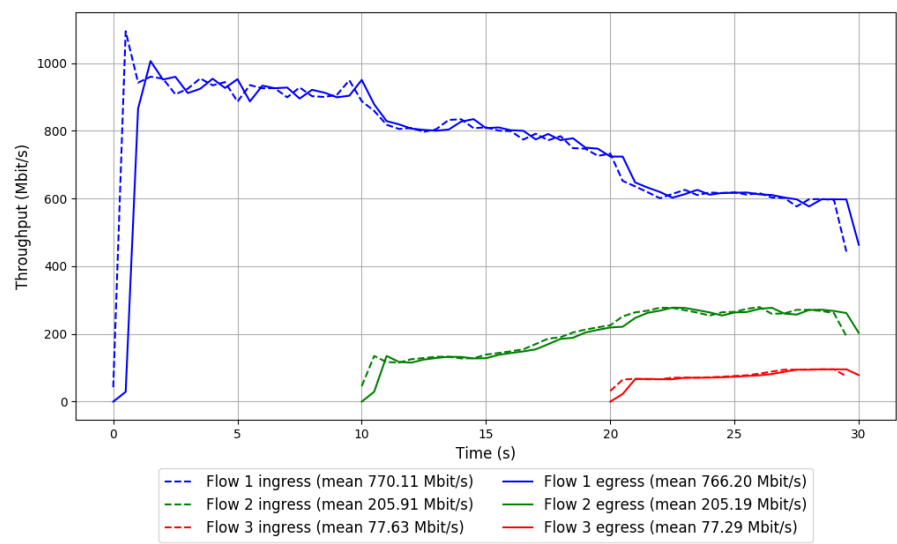


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 04:36:38
End at: 2018-07-10 04:37:08
Local clock offset: -0.049 ms
Remote clock offset: -2.331 ms

Below is generated by plot.py at 2018-07-10 09:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.10 Mbit/s
95th percentile per-packet one-way delay: 21.122 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 766.20 Mbit/s
95th percentile per-packet one-way delay: 22.368 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 205.19 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.45%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 05:03:58

End at: 2018-07-10 05:04:28

Local clock offset: -0.079 ms

Remote clock offset: 0.869 ms

Below is generated by plot.py at 2018-07-10 09:52:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 911.09 Mbit/s

95th percentile per-packet one-way delay: 20.120 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 773.29 Mbit/s

95th percentile per-packet one-way delay: 20.133 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 119.69 Mbit/s

95th percentile per-packet one-way delay: 19.319 ms

Loss rate: 0.21%

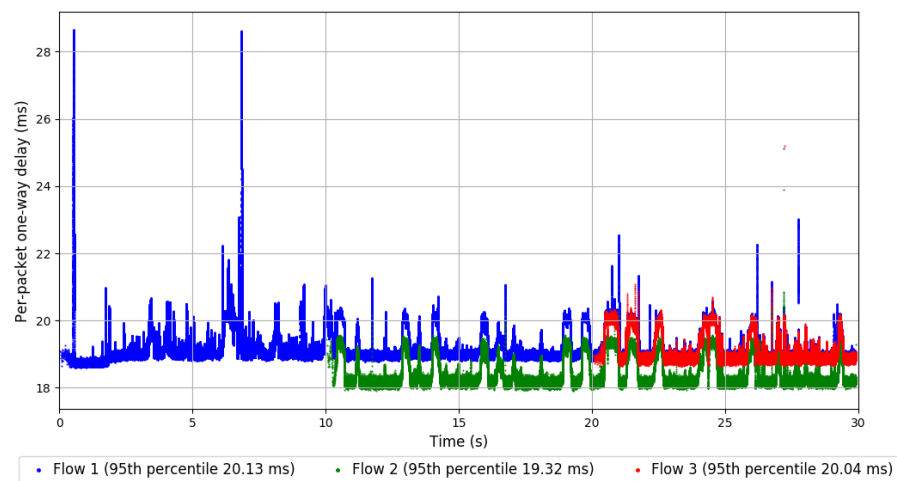
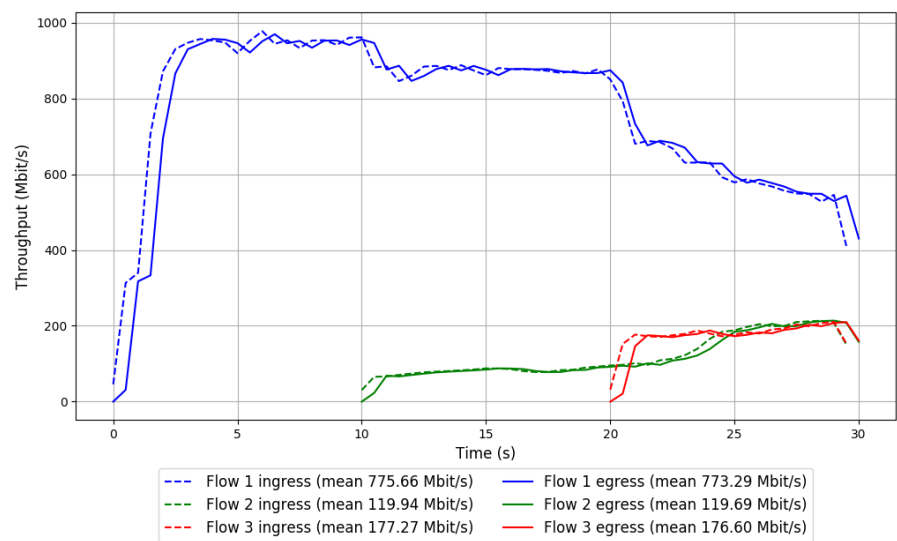
-- Flow 3:

Average throughput: 176.60 Mbit/s

95th percentile per-packet one-way delay: 20.039 ms

Loss rate: 0.39%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 05:31:15

End at: 2018-07-10 05:31:45

Local clock offset: -0.059 ms

Remote clock offset: 0.757 ms

Below is generated by plot.py at 2018-07-10 09:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 933.04 Mbit/s

95th percentile per-packet one-way delay: 22.311 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 774.32 Mbit/s

95th percentile per-packet one-way delay: 23.471 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 223.58 Mbit/s

95th percentile per-packet one-way delay: 20.092 ms

Loss rate: 0.30%

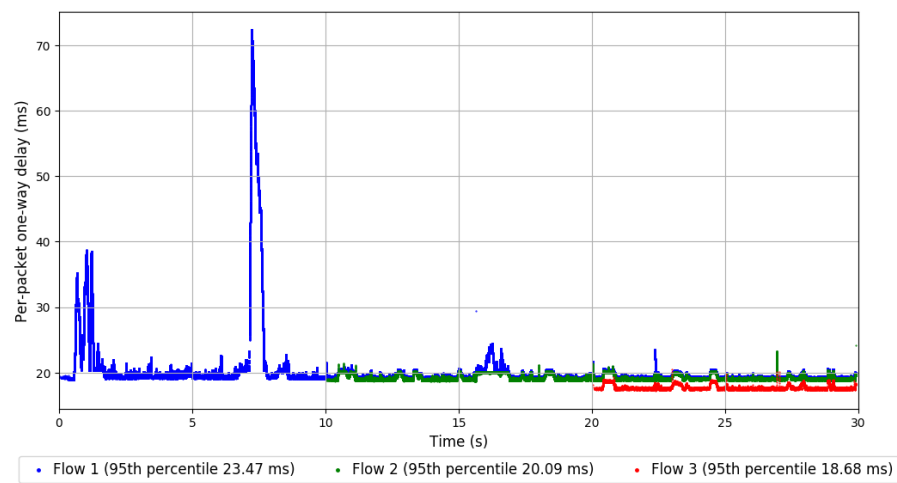
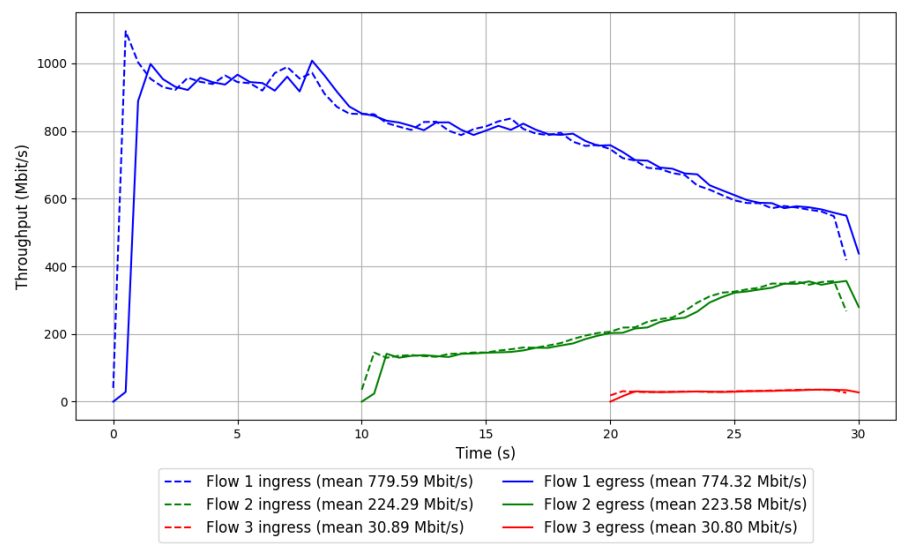
-- Flow 3:

Average throughput: 30.80 Mbit/s

95th percentile per-packet one-way delay: 18.682 ms

Loss rate: 0.31%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 05:58:41

End at: 2018-07-10 05:59:11

Local clock offset: 0.061 ms

Remote clock offset: 1.427 ms

Below is generated by plot.py at 2018-07-10 09:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 595.36 Mbit/s

95th percentile per-packet one-way delay: 19.364 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 19.308 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 682.59 Mbit/s

95th percentile per-packet one-way delay: 19.381 ms

Loss rate: 0.51%

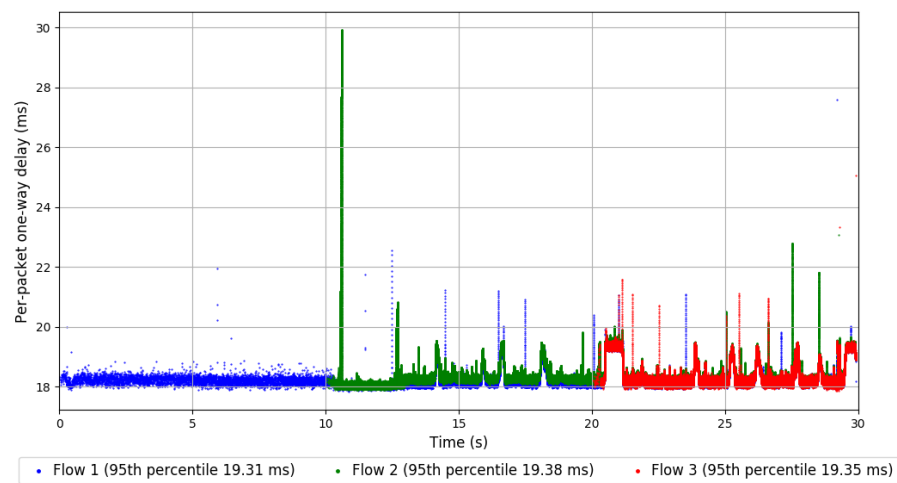
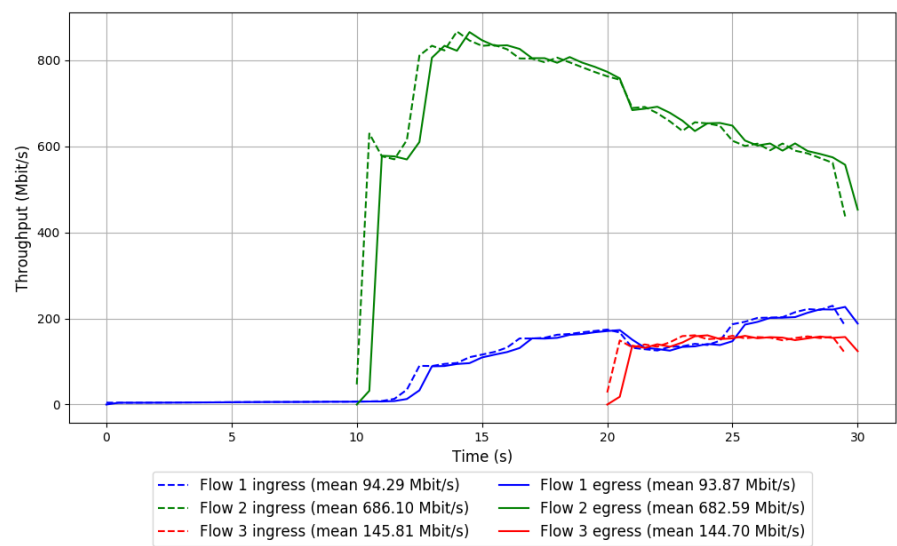
-- Flow 3:

Average throughput: 144.70 Mbit/s

95th percentile per-packet one-way delay: 19.346 ms

Loss rate: 0.69%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 06:25:34

End at: 2018-07-10 06:26:04

Local clock offset: 0.116 ms

Remote clock offset: 3.904 ms

Below is generated by plot.py at 2018-07-10 09:54:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 924.84 Mbit/s

95th percentile per-packet one-way delay: 19.958 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 805.32 Mbit/s

95th percentile per-packet one-way delay: 19.721 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 144.47 Mbit/s

95th percentile per-packet one-way delay: 20.130 ms

Loss rate: 1.64%

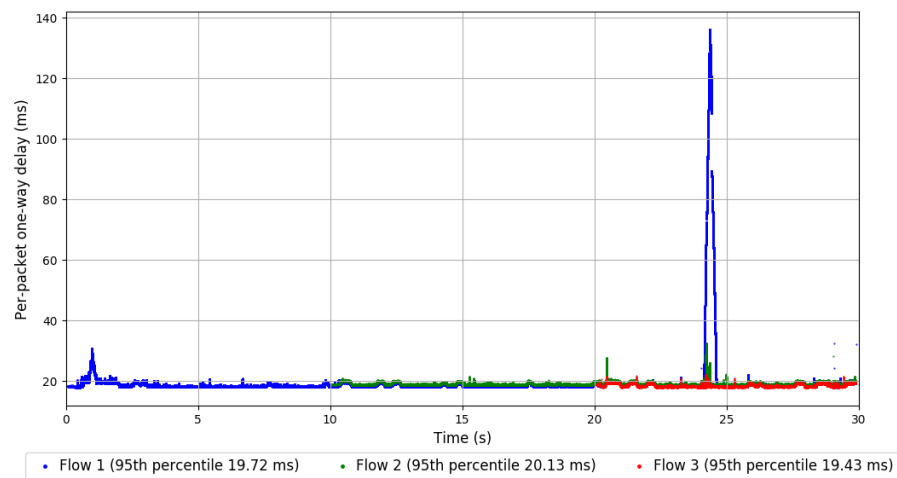
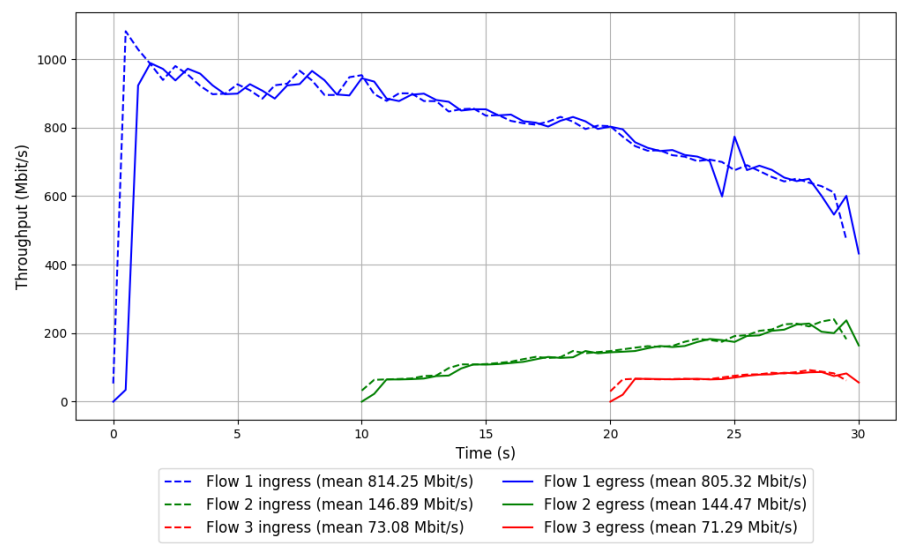
-- Flow 3:

Average throughput: 71.29 Mbit/s

95th percentile per-packet one-way delay: 19.430 ms

Loss rate: 2.44%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 06:53:08

End at: 2018-07-10 06:53:38

Local clock offset: 0.146 ms

Remote clock offset: 3.617 ms

Below is generated by plot.py at 2018-07-10 09:56:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 912.86 Mbit/s

95th percentile per-packet one-way delay: 19.681 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 770.61 Mbit/s

95th percentile per-packet one-way delay: 18.815 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 123.69 Mbit/s

95th percentile per-packet one-way delay: 20.288 ms

Loss rate: 0.89%

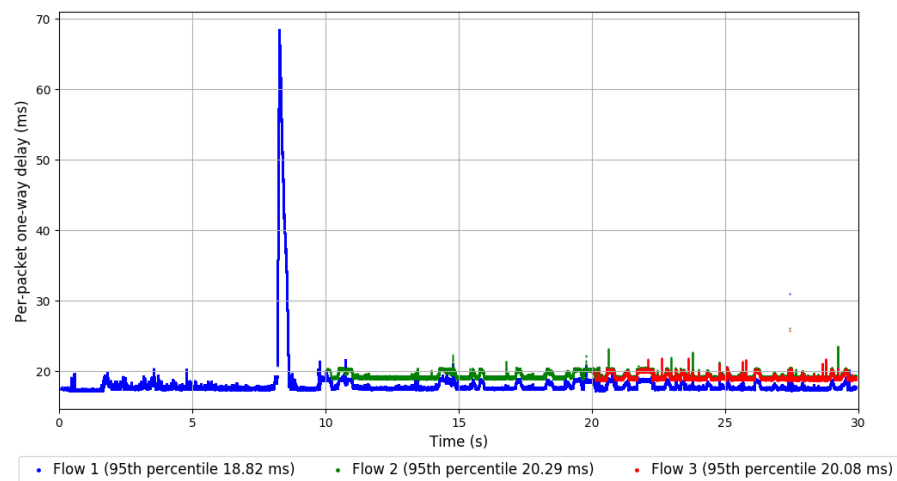
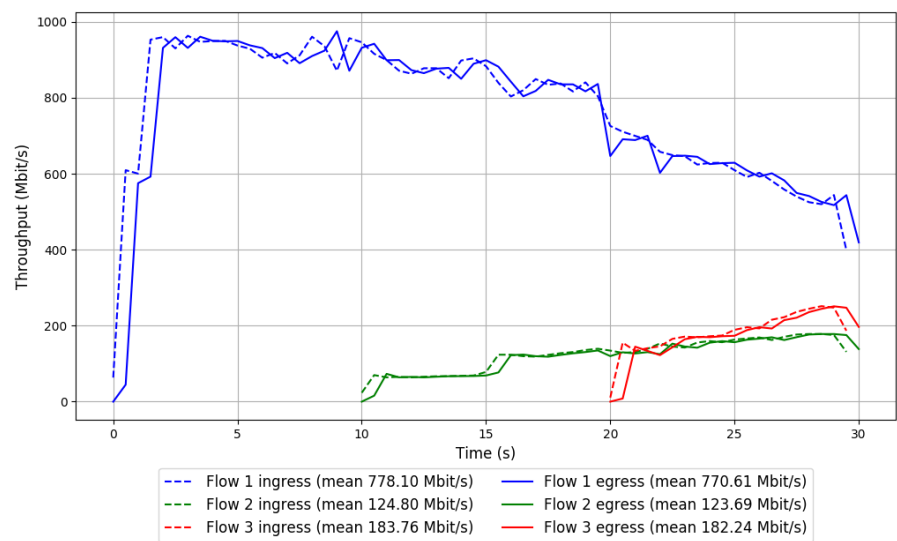
-- Flow 3:

Average throughput: 182.24 Mbit/s

95th percentile per-packet one-way delay: 20.081 ms

Loss rate: 0.84%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 07:20:30

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

Local clock offset: 0.45 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-07-10 10:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 931.67 Mbit/s

95th percentile per-packet one-way delay: 20.170 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 734.74 Mbit/s

95th percentile per-packet one-way delay: 19.764 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 218.34 Mbit/s

95th percentile per-packet one-way delay: 20.168 ms

Loss rate: 0.16%

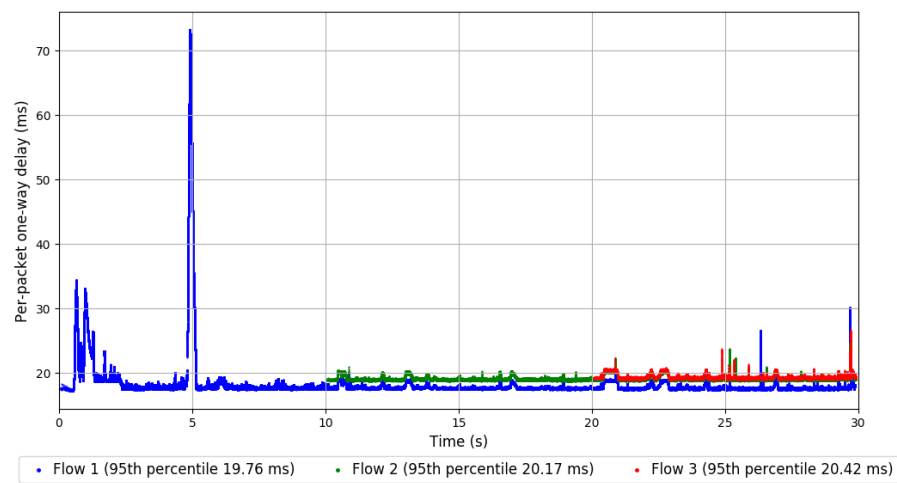
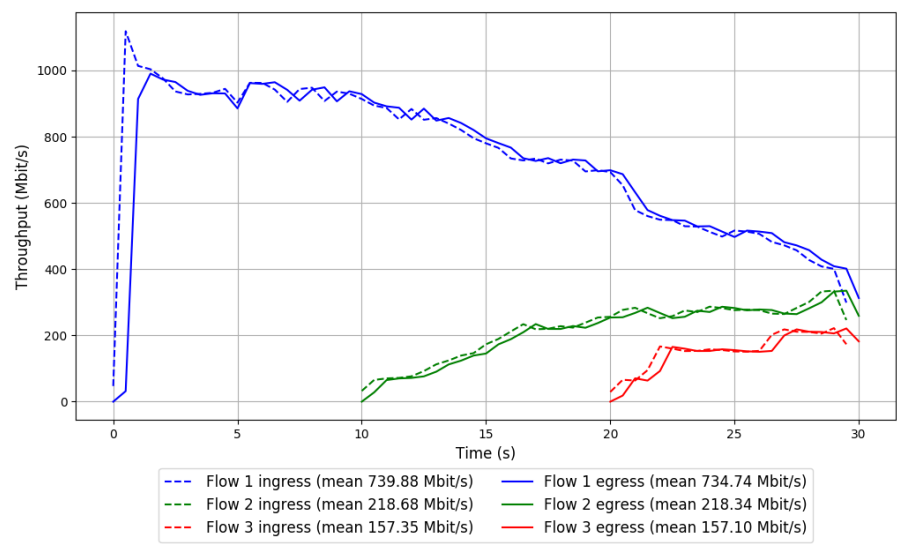
-- Flow 3:

Average throughput: 157.10 Mbit/s

95th percentile per-packet one-way delay: 20.421 ms

Loss rate: 0.16%

Run 9: Report of PCC-Allegro — Data Link

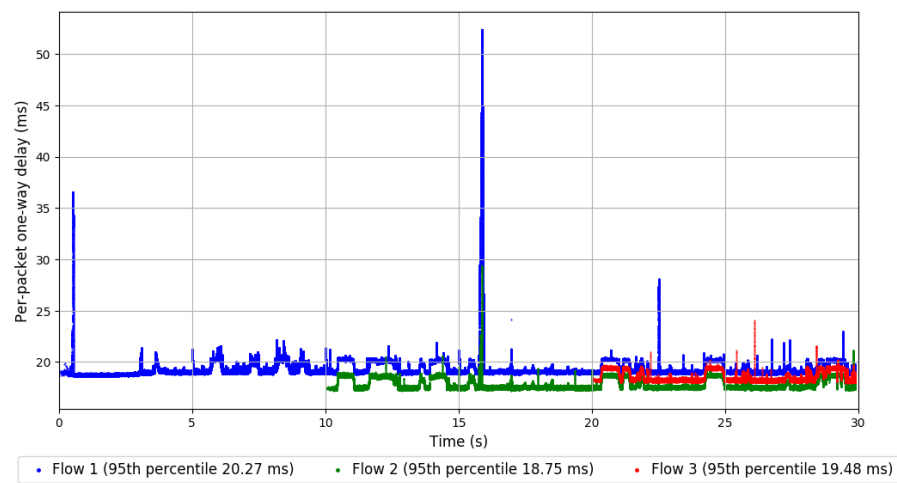
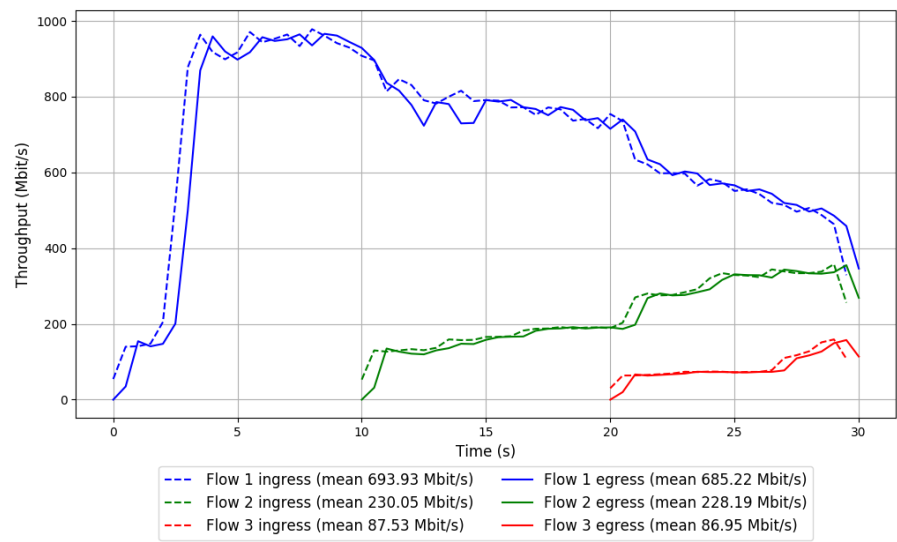


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 07:47:37
End at: 2018-07-10 07:48:07
Local clock offset: 0.729 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-10 10:01:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.58 Mbit/s
95th percentile per-packet one-way delay: 20.249 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 685.22 Mbit/s
95th percentile per-packet one-way delay: 20.267 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 228.19 Mbit/s
95th percentile per-packet one-way delay: 18.751 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 19.480 ms
Loss rate: 0.67%

Run 10: Report of PCC-Allegro — Data Link

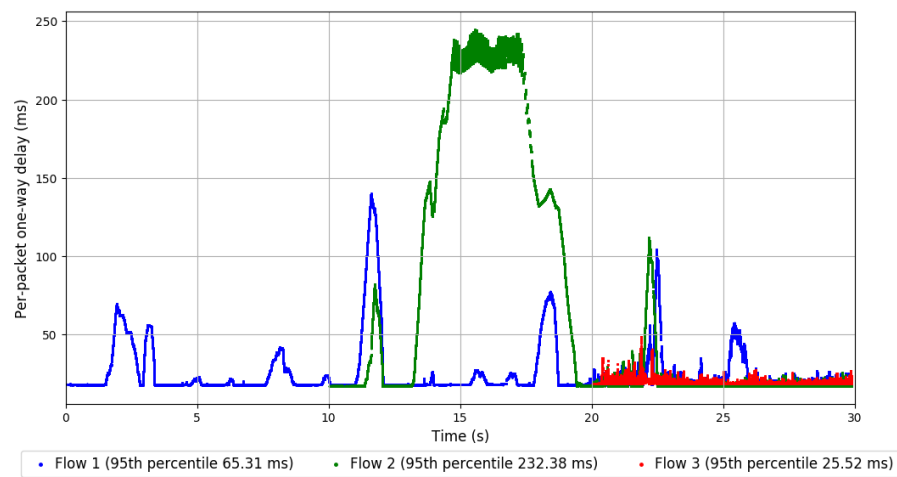
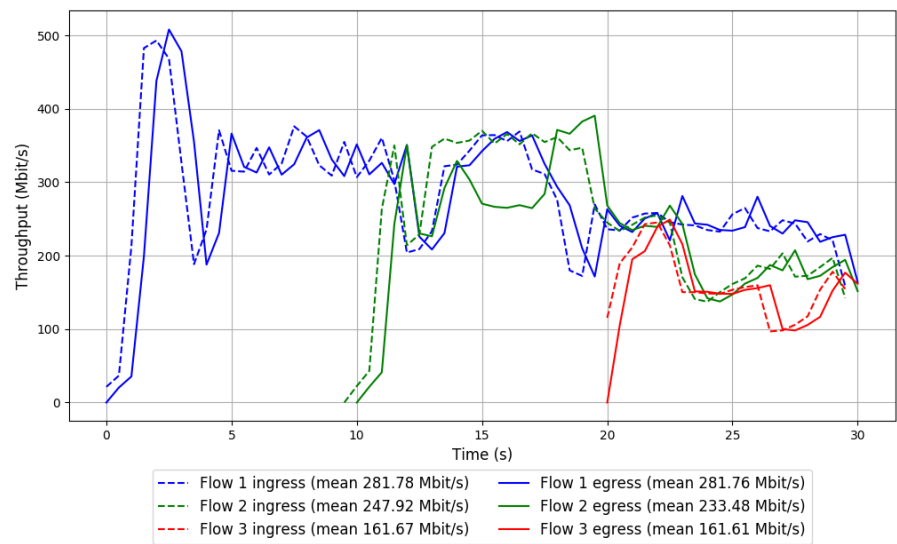


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 03:40:24
End at: 2018-07-10 03:40:54
Local clock offset: 0.629 ms
Remote clock offset: -6.489 ms

# Below is generated by plot.py at 2018-07-10 10:03:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 490.56 Mbit/s
95th percentile per-packet one-way delay: 217.396 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 281.76 Mbit/s
95th percentile per-packet one-way delay: 65.306 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 233.48 Mbit/s
95th percentile per-packet one-way delay: 232.378 ms
Loss rate: 5.82%
-- Flow 3:
Average throughput: 161.61 Mbit/s
95th percentile per-packet one-way delay: 25.519 ms
Loss rate: 0.04%
```


Run 1: Report of PCC-Expr — Data Link

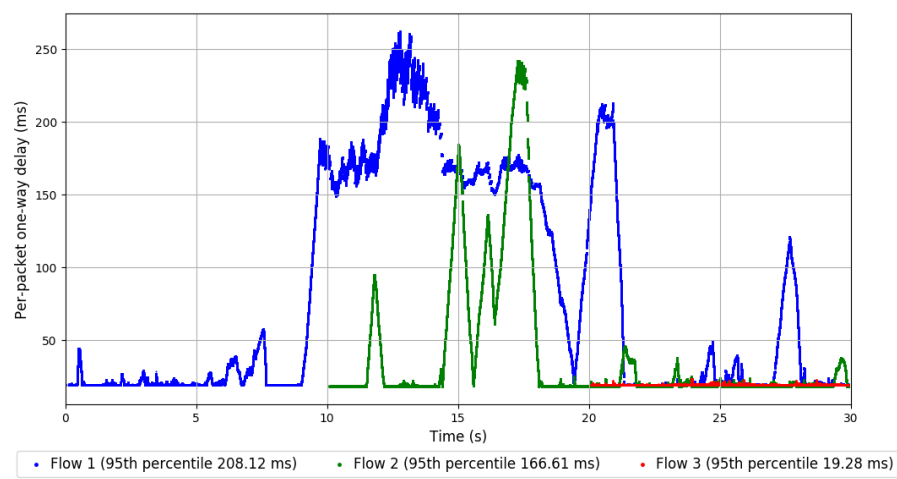
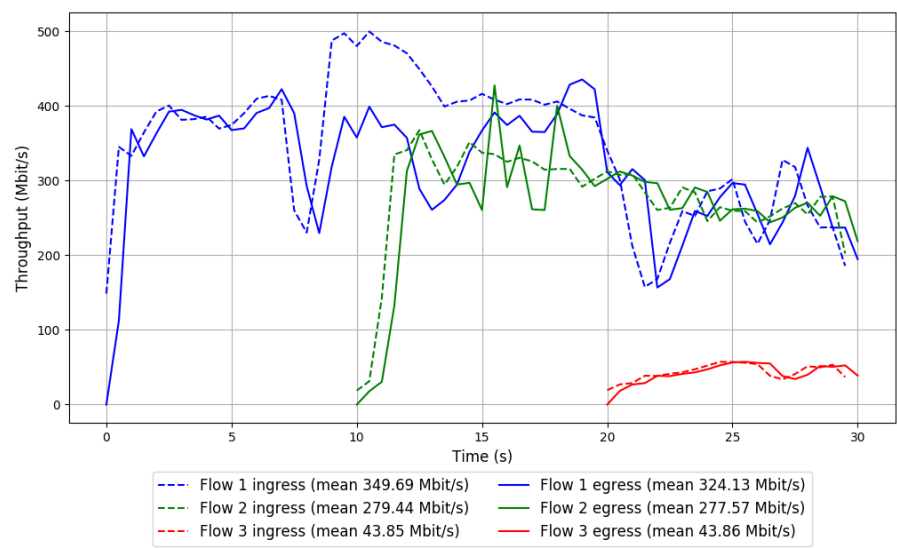


Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 04:07:34
End at: 2018-07-10 04:08:04
Local clock offset: 0.263 ms
Remote clock offset: -8.752 ms

Below is generated by plot.py at 2018-07-10 10:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.21 Mbit/s
95th percentile per-packet one-way delay: 202.740 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 324.13 Mbit/s
95th percentile per-packet one-way delay: 208.122 ms
Loss rate: 7.31%
-- Flow 2:
Average throughput: 277.57 Mbit/s
95th percentile per-packet one-way delay: 166.614 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 19.279 ms
Loss rate: 0.03%

Run 2: Report of PCC-Expr — Data Link

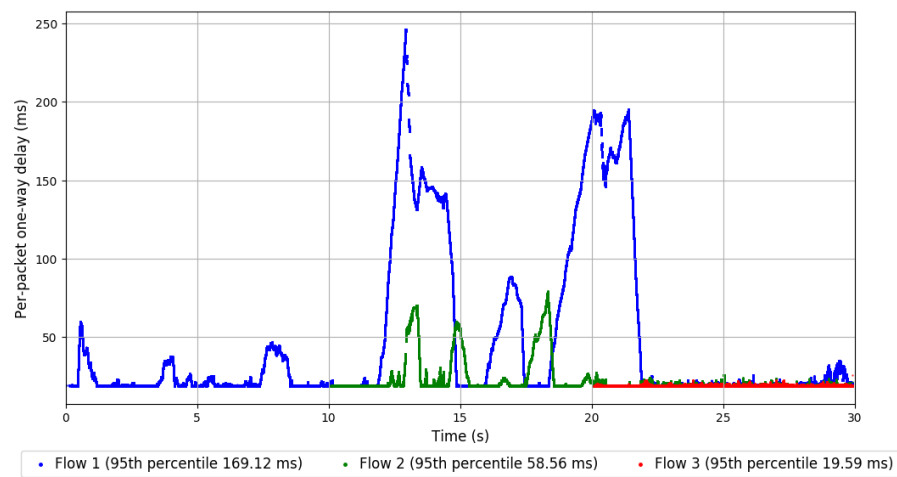
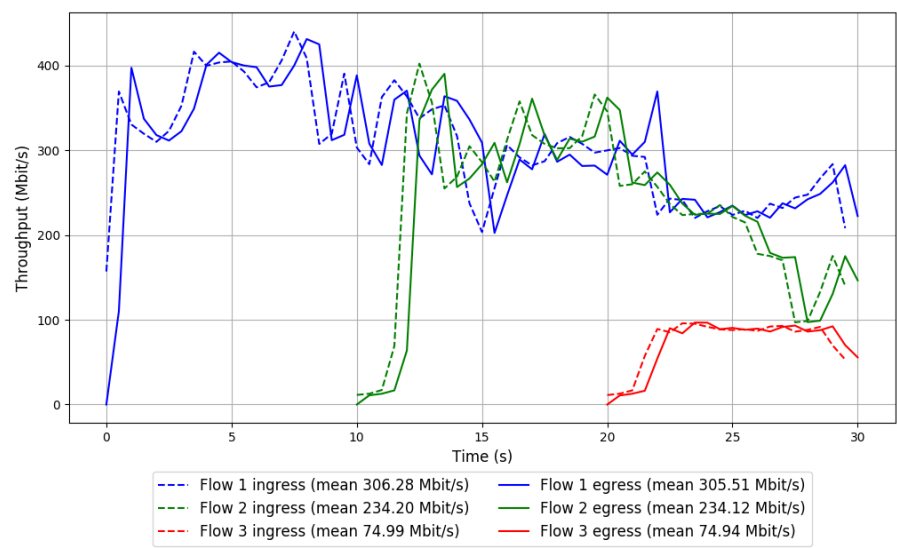


Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 04:34:51
End at: 2018-07-10 04:35:21
Local clock offset: -0.047 ms
Remote clock offset: -2.441 ms

Below is generated by plot.py at 2018-07-10 10:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.90 Mbit/s
95th percentile per-packet one-way delay: 155.014 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 305.51 Mbit/s
95th percentile per-packet one-way delay: 169.115 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 234.12 Mbit/s
95th percentile per-packet one-way delay: 58.561 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 05:02:08

End at: 2018-07-10 05:02:38

Local clock offset: -0.081 ms

Remote clock offset: 0.712 ms

Below is generated by plot.py at 2018-07-10 10:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.65 Mbit/s

95th percentile per-packet one-way delay: 174.961 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 274.93 Mbit/s

95th percentile per-packet one-way delay: 69.440 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 267.94 Mbit/s

95th percentile per-packet one-way delay: 217.784 ms

Loss rate: 7.10%

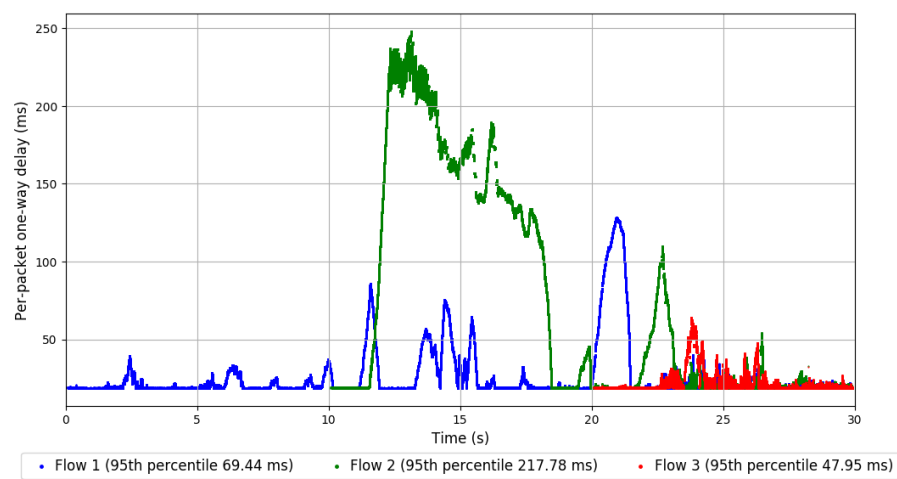
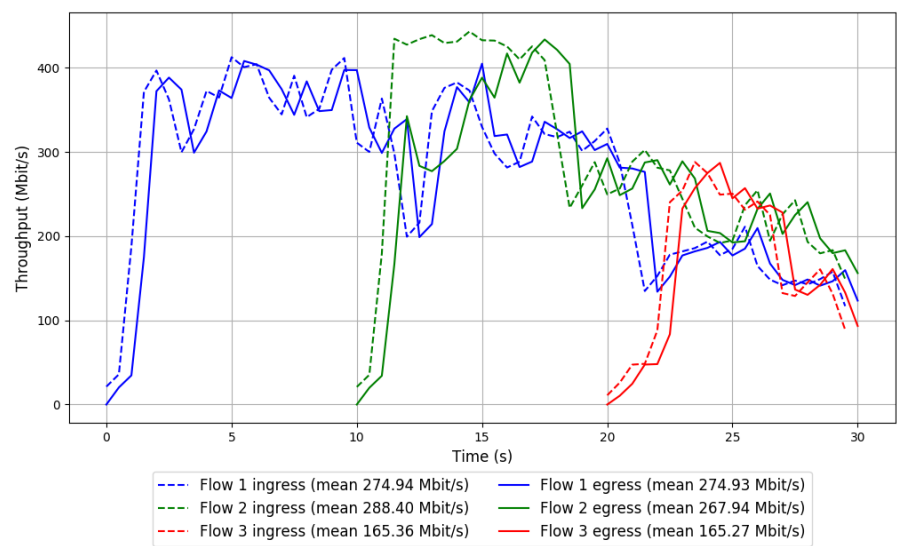
-- Flow 3:

Average throughput: 165.27 Mbit/s

95th percentile per-packet one-way delay: 47.951 ms

Loss rate: 0.05%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 05:29:28

End at: 2018-07-10 05:29:58

Local clock offset: -0.061 ms

Remote clock offset: 0.845 ms

Below is generated by plot.py at 2018-07-10 10:05:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 473.03 Mbit/s

95th percentile per-packet one-way delay: 122.257 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 314.78 Mbit/s

95th percentile per-packet one-way delay: 109.053 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 211.21 Mbit/s

95th percentile per-packet one-way delay: 152.096 ms

Loss rate: 0.22%

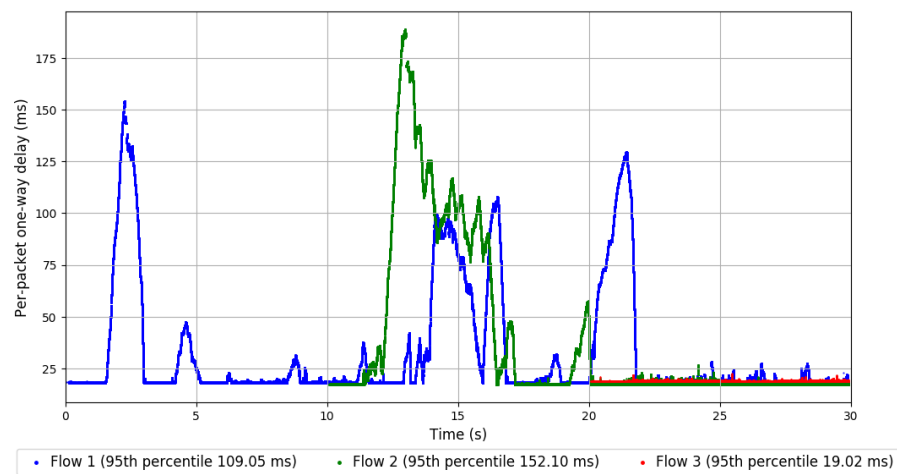
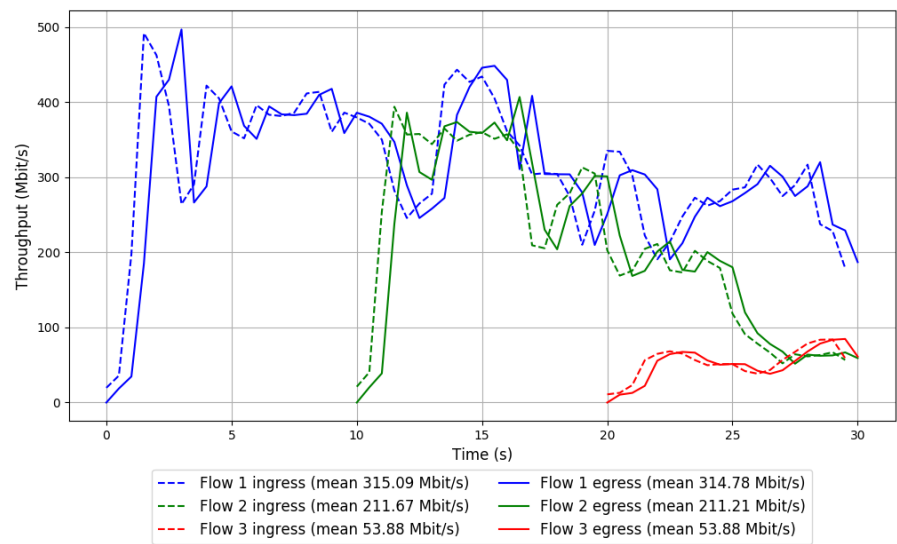
-- Flow 3:

Average throughput: 53.88 Mbit/s

95th percentile per-packet one-way delay: 19.025 ms

Loss rate: 0.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 05:56:54

End at: 2018-07-10 05:57:24

Local clock offset: 0.031 ms

Remote clock offset: 1.072 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 472.06 Mbit/s

95th percentile per-packet one-way delay: 205.611 ms

Loss rate: 4.06%

-- Flow 1:

Average throughput: 256.05 Mbit/s

95th percentile per-packet one-way delay: 226.356 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 292.61 Mbit/s

95th percentile per-packet one-way delay: 190.884 ms

Loss rate: 4.58%

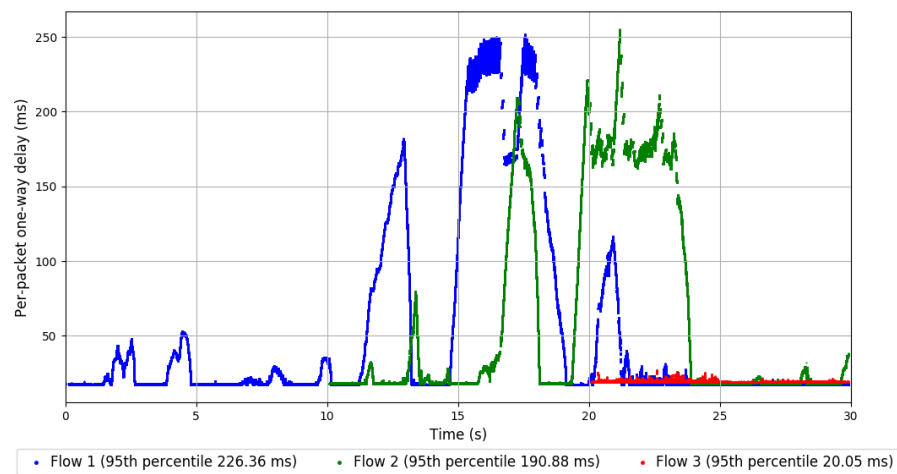
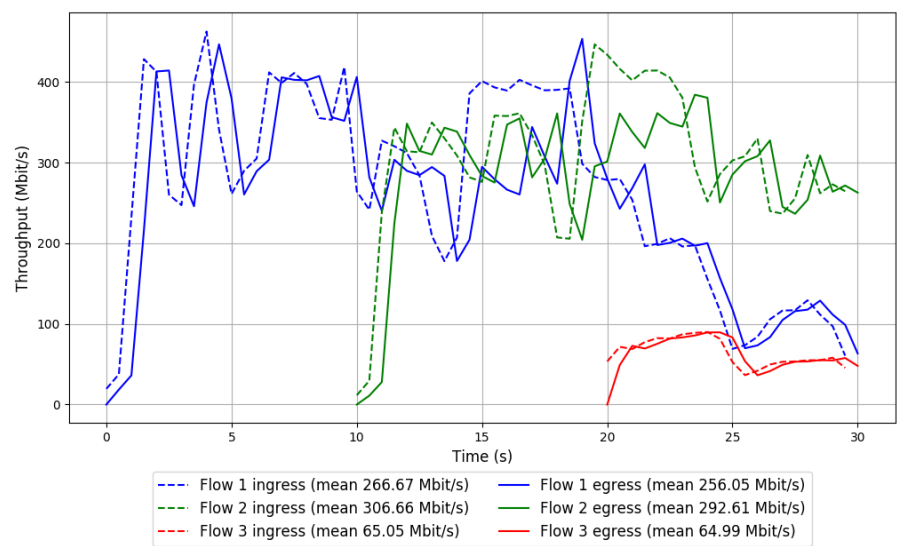
-- Flow 3:

Average throughput: 64.99 Mbit/s

95th percentile per-packet one-way delay: 20.053 ms

Loss rate: 0.09%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 06:23:47

End at: 2018-07-10 06:24:17

Local clock offset: 0.035 ms

Remote clock offset: 3.741 ms

Below is generated by plot.py at 2018-07-10 10:13:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 467.88 Mbit/s

95th percentile per-packet one-way delay: 158.195 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 289.57 Mbit/s

95th percentile per-packet one-way delay: 173.539 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 243.52 Mbit/s

95th percentile per-packet one-way delay: 96.994 ms

Loss rate: 0.44%

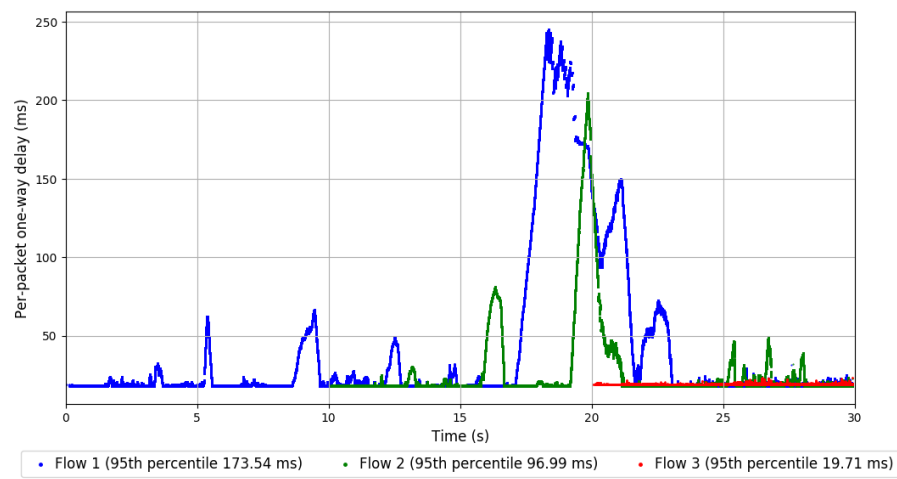
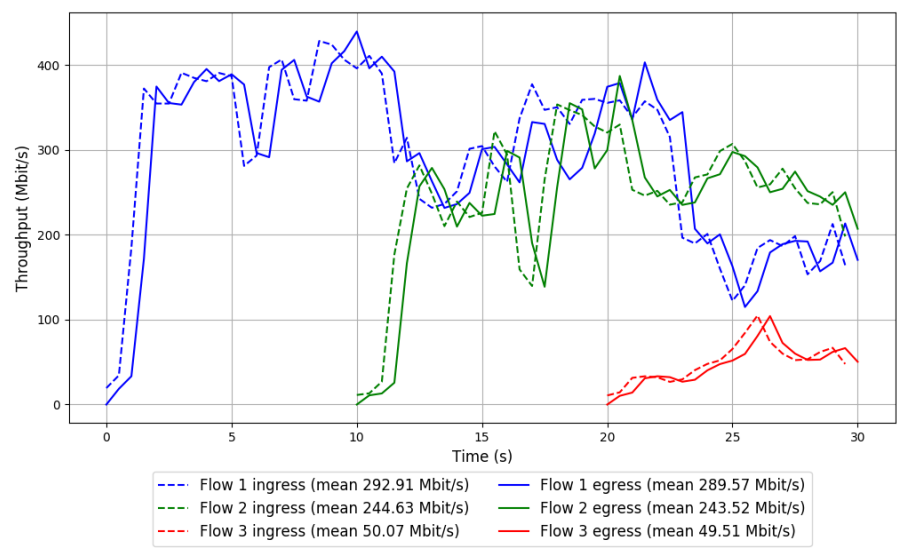
-- Flow 3:

Average throughput: 49.51 Mbit/s

95th percentile per-packet one-way delay: 19.712 ms

Loss rate: 1.14%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 06:51:20

End at: 2018-07-10 06:51:50

Local clock offset: 0.14 ms

Remote clock offset: 3.613 ms

Below is generated by plot.py at 2018-07-10 10:13:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 479.48 Mbit/s

95th percentile per-packet one-way delay: 168.470 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 302.27 Mbit/s

95th percentile per-packet one-way delay: 169.066 ms

Loss rate: 1.42%

-- Flow 2:

Average throughput: 242.99 Mbit/s

95th percentile per-packet one-way delay: 157.185 ms

Loss rate: 1.42%

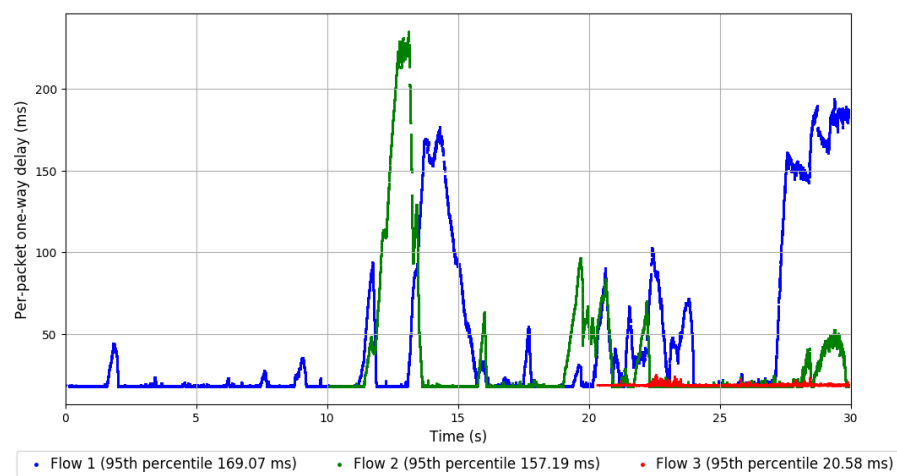
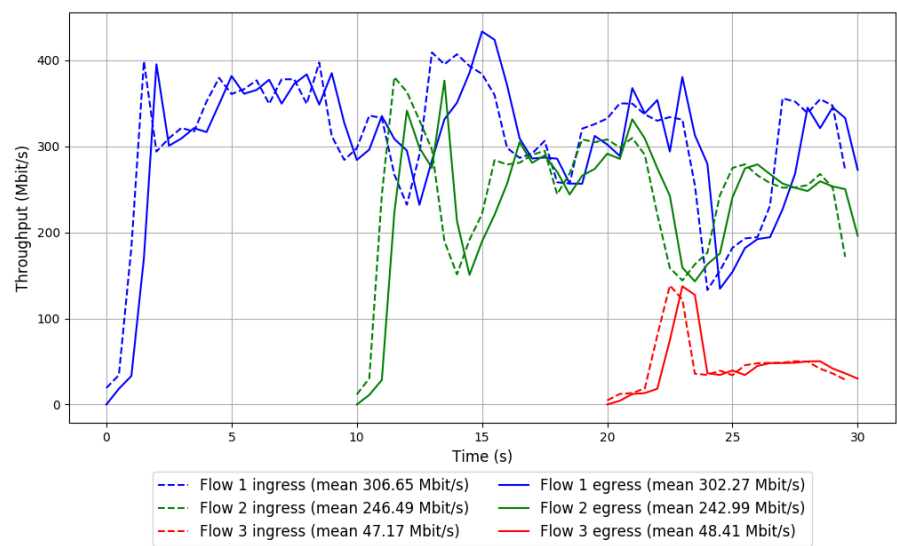
-- Flow 3:

Average throughput: 48.41 Mbit/s

95th percentile per-packet one-way delay: 20.584 ms

Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 07:18:42

End at: 2018-07-10 07:19:12

Local clock offset: 0.415 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2018-07-10 10:14:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.65 Mbit/s

95th percentile per-packet one-way delay: 54.452 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 299.77 Mbit/s

95th percentile per-packet one-way delay: 57.116 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 236.11 Mbit/s

95th percentile per-packet one-way delay: 45.733 ms

Loss rate: 0.00%

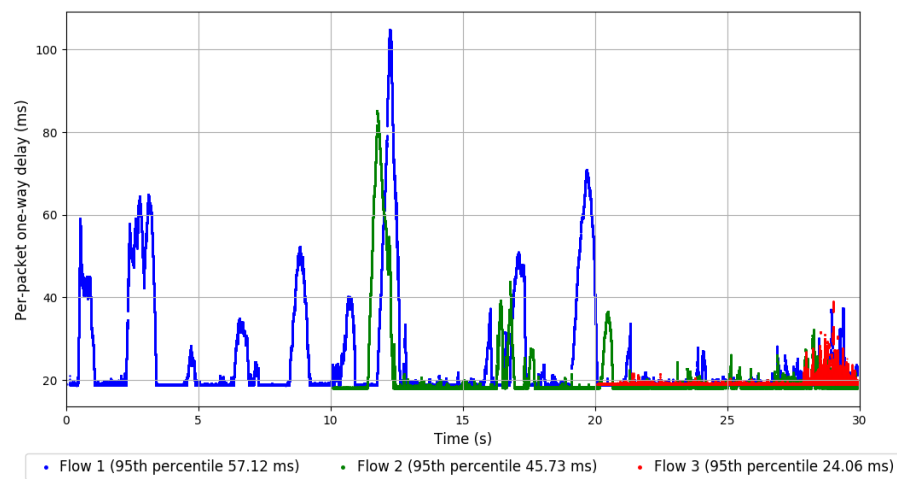
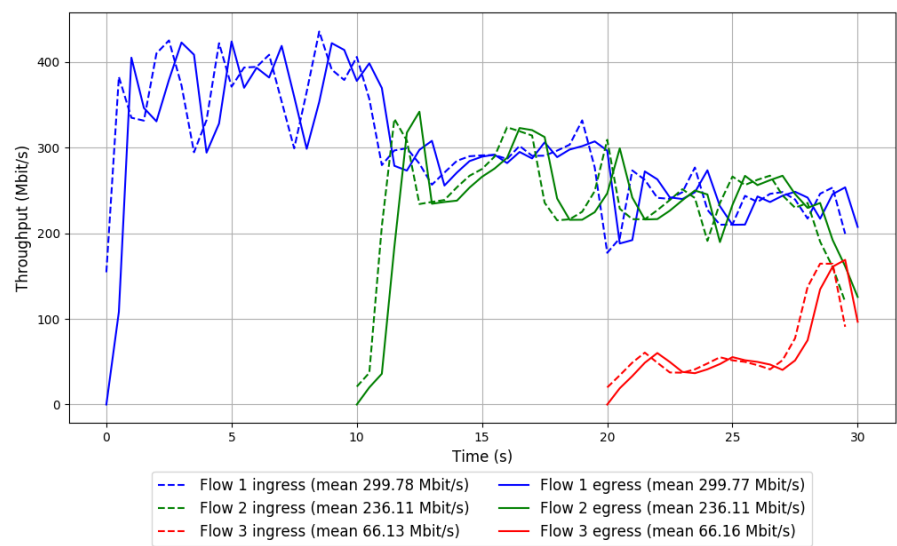
-- Flow 3:

Average throughput: 66.16 Mbit/s

95th percentile per-packet one-way delay: 24.061 ms

Loss rate: 0.03%

Run 9: Report of PCC-Expr — Data Link

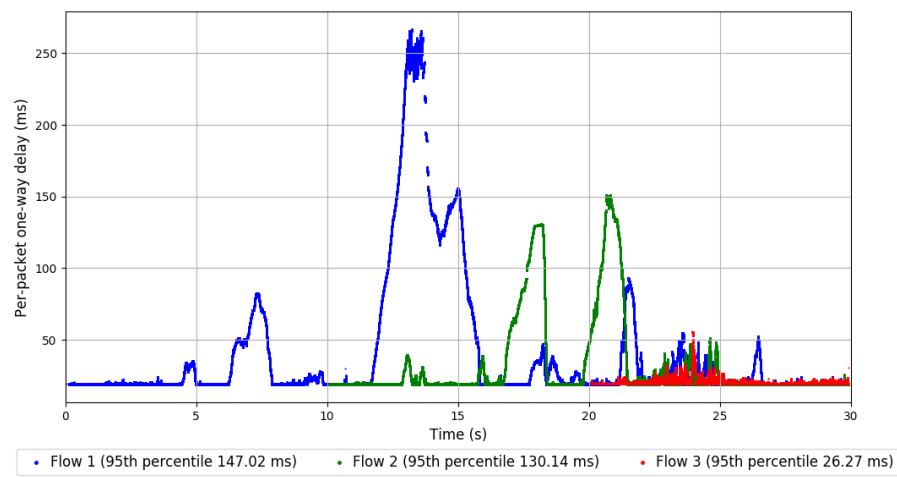
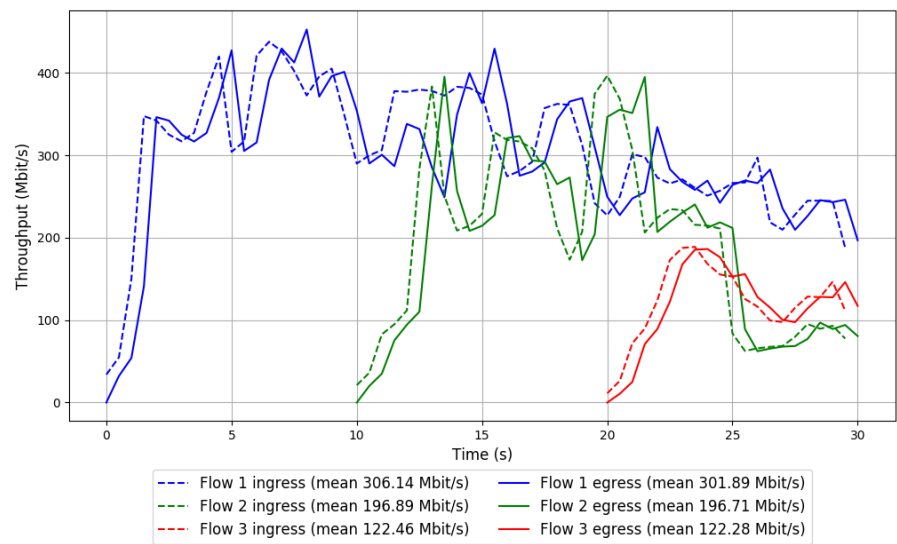


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 07:45:50
End at: 2018-07-10 07:46:20
Local clock offset: 0.698 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.97 Mbit/s
95th percentile per-packet one-way delay: 138.811 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 301.89 Mbit/s
95th percentile per-packet one-way delay: 147.024 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 196.71 Mbit/s
95th percentile per-packet one-way delay: 130.139 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 122.28 Mbit/s
95th percentile per-packet one-way delay: 26.269 ms
Loss rate: 0.03%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 03:48:43

End at: 2018-07-10 03:49:13

Local clock offset: 0.508 ms

Remote clock offset: -7.22 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 18.822 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 19.083 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 18.837 ms

Loss rate: 0.01%

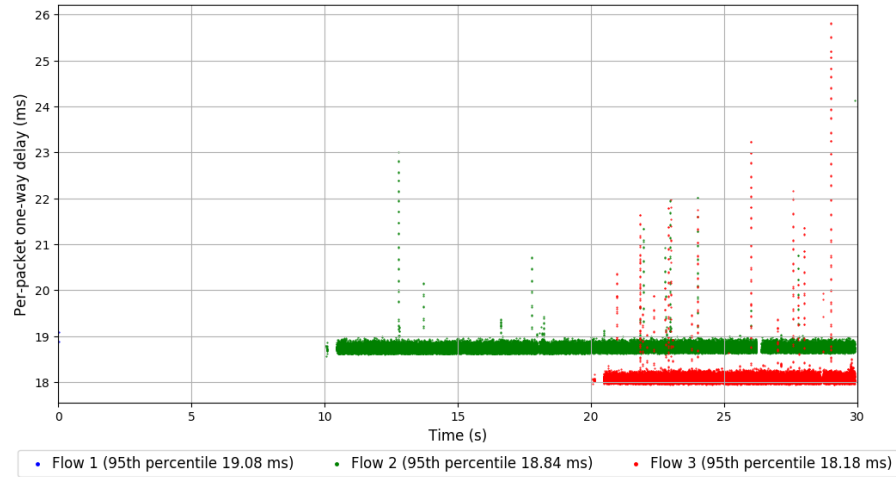
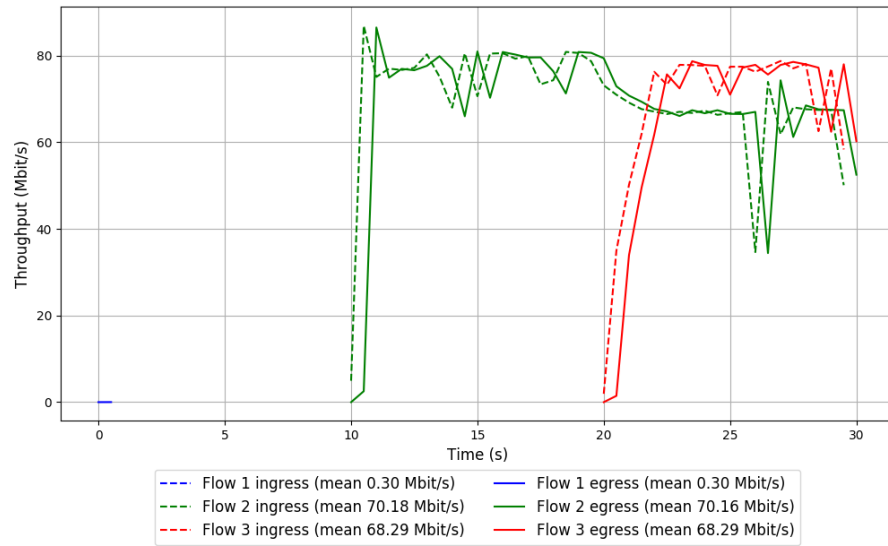
-- Flow 3:

Average throughput: 68.29 Mbit/s

95th percentile per-packet one-way delay: 18.176 ms

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link

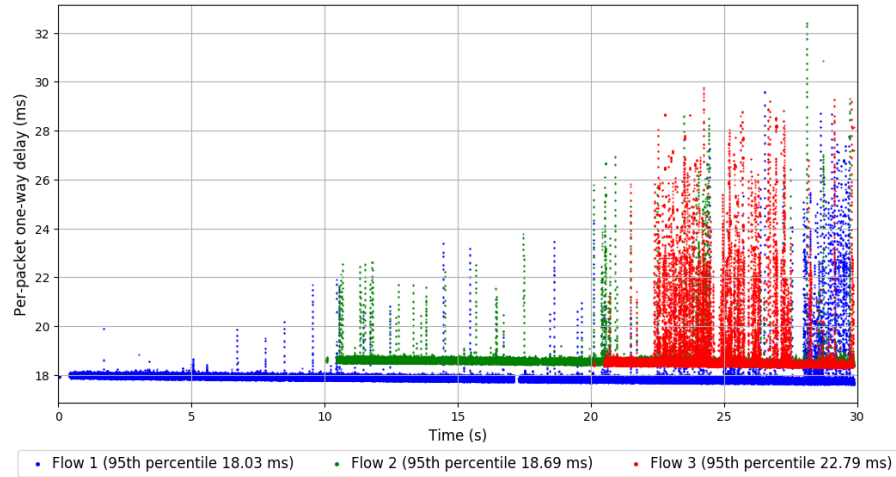
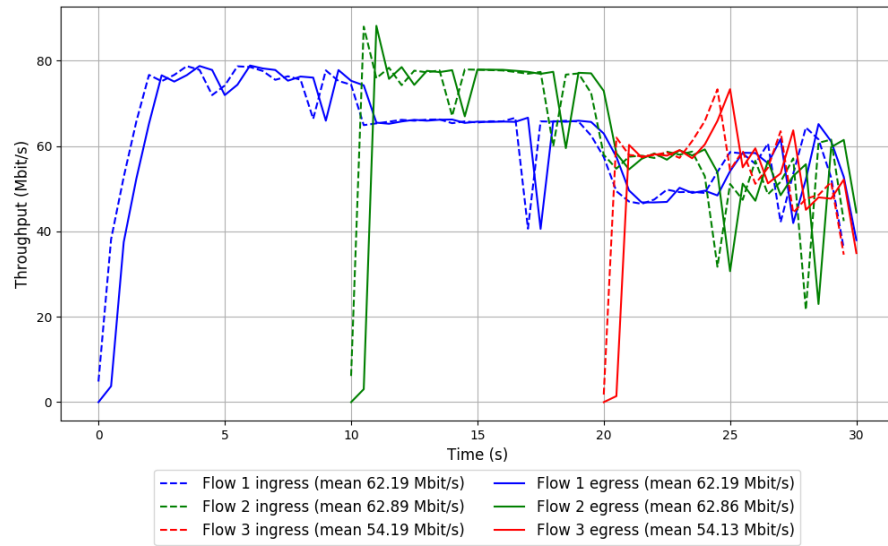


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 04:15:52
End at: 2018-07-10 04:16:22
Local clock offset: 0.081 ms
Remote clock offset: -7.005 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.73 Mbit/s
95th percentile per-packet one-way delay: 18.871 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 18.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 18.694 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 22.793 ms
Loss rate: 0.11%

Run 2: Report of QUIC Cubic — Data Link

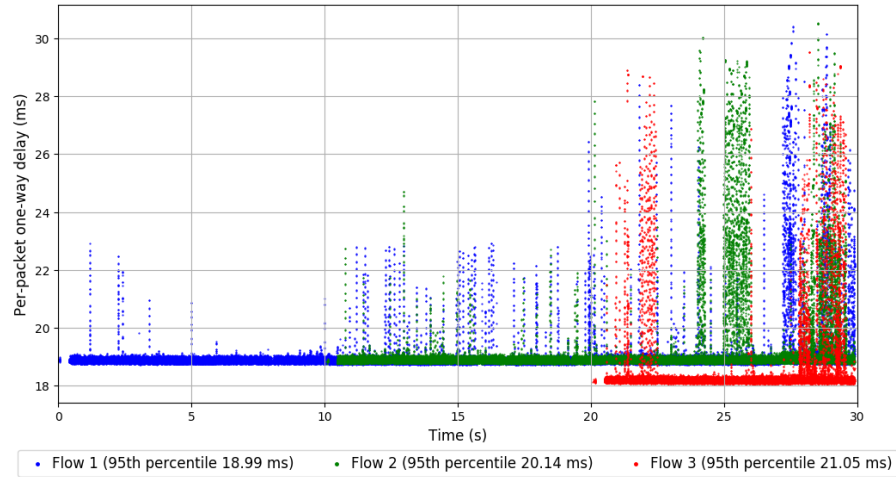
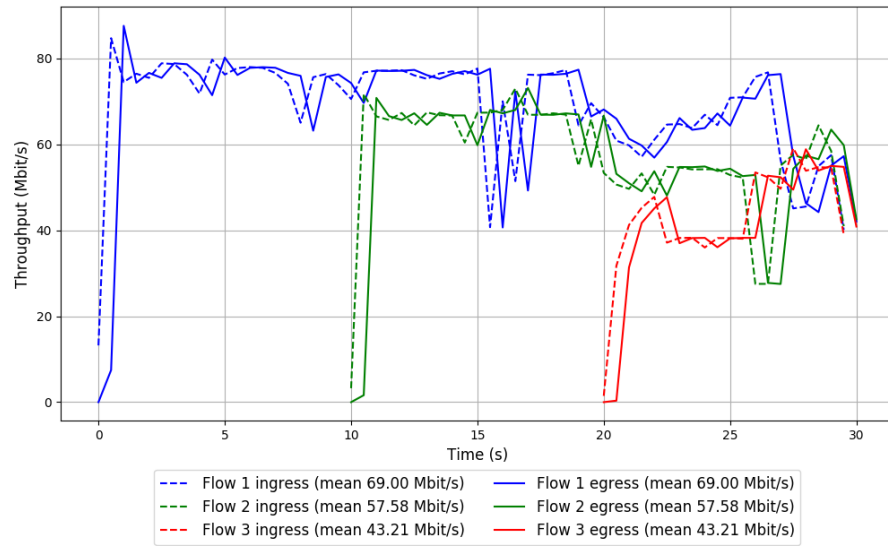


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 04:43:07
End at: 2018-07-10 04:43:37
Local clock offset: -0.172 ms
Remote clock offset: -1.818 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.41 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 20.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 21.046 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 05:10:24

End at: 2018-07-10 05:10:54

Local clock offset: -0.082 ms

Remote clock offset: 1.405 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.62 Mbit/s

95th percentile per-packet one-way delay: 20.095 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.98 Mbit/s

95th percentile per-packet one-way delay: 19.025 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 18.802 ms

Loss rate: 0.00%

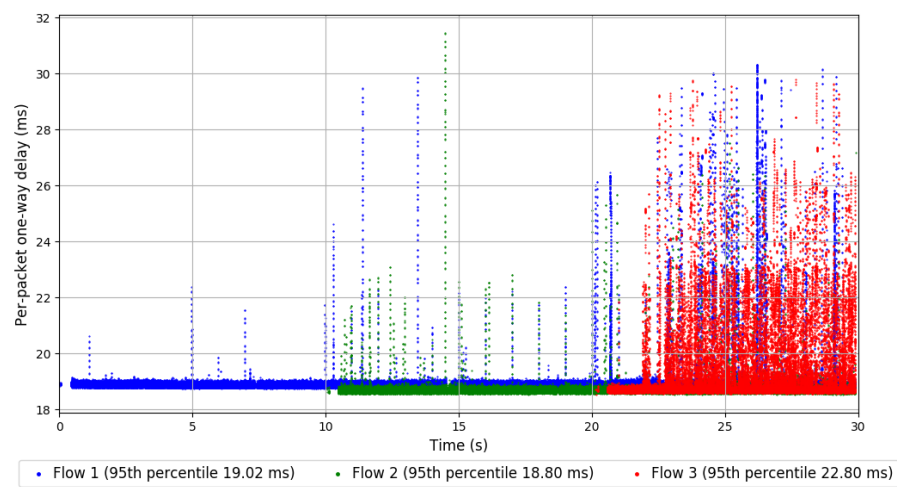
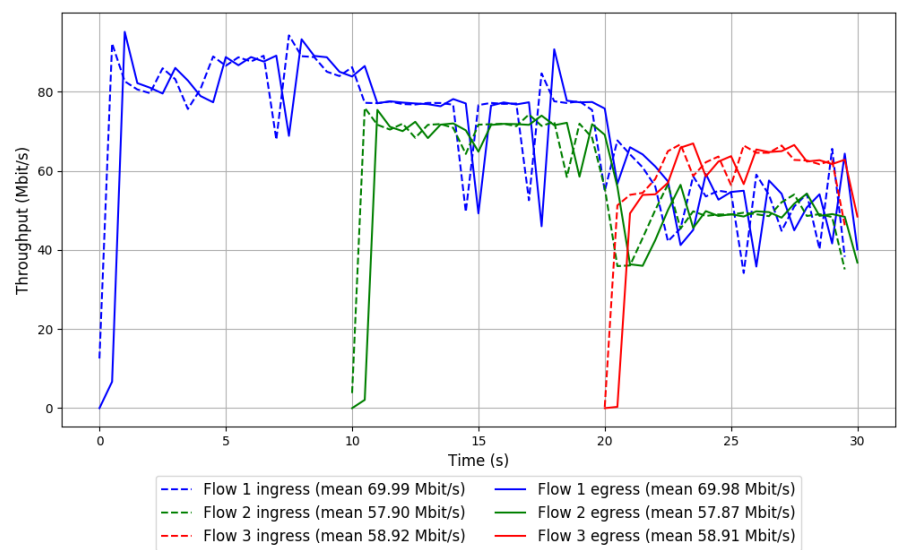
-- Flow 3:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 22.799 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 05:37:45

End at: 2018-07-10 05:38:15

Local clock offset: -0.037 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.29 Mbit/s

95th percentile per-packet one-way delay: 21.209 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 19.610 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 21.015 ms

Loss rate: 0.01%

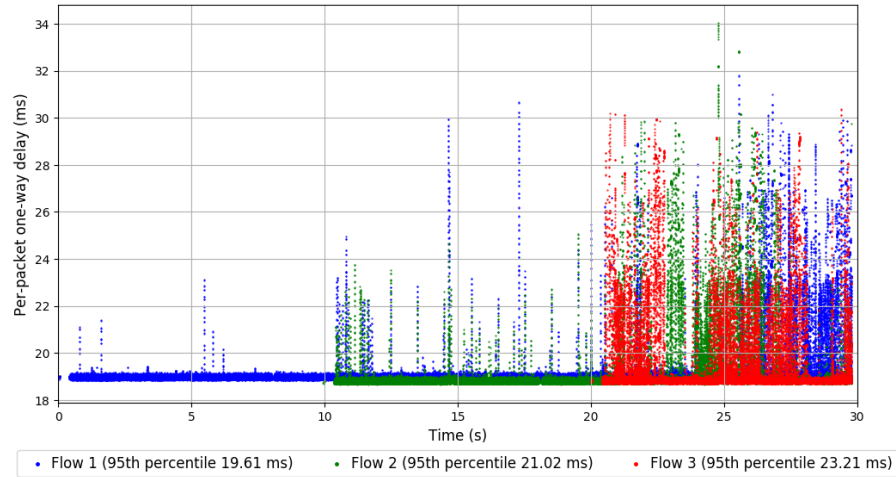
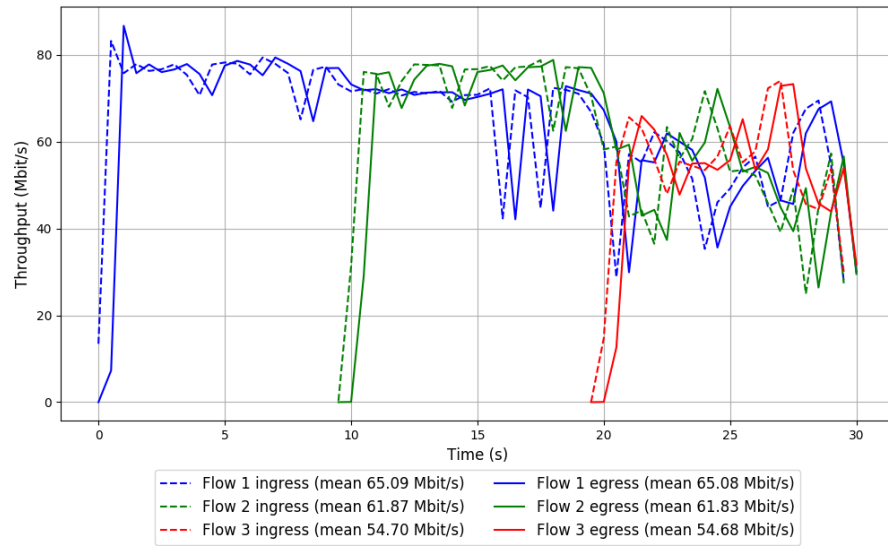
-- Flow 3:

Average throughput: 54.68 Mbit/s

95th percentile per-packet one-way delay: 23.210 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 06:05:01

End at: 2018-07-10 06:05:31

Local clock offset: -0.007 ms

Remote clock offset: 2.42 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.22 Mbit/s

95th percentile per-packet one-way delay: 19.668 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 19.282 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 18.335 ms

Loss rate: 0.00%

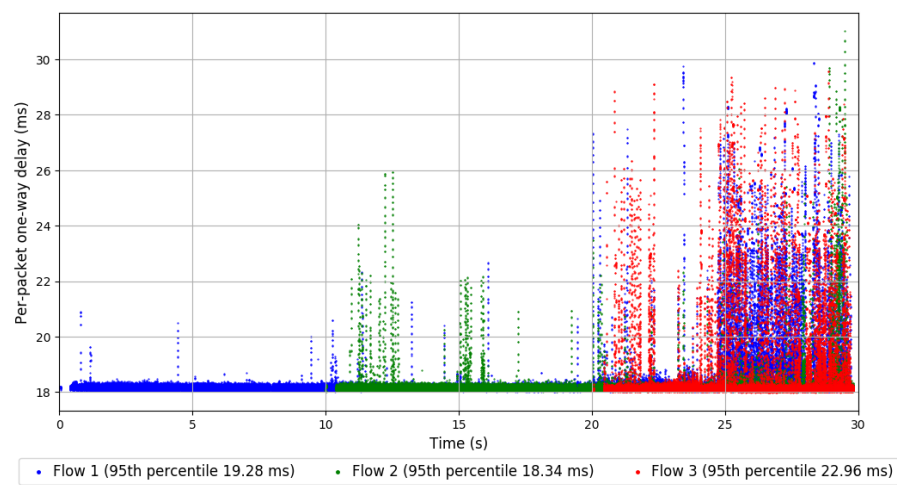
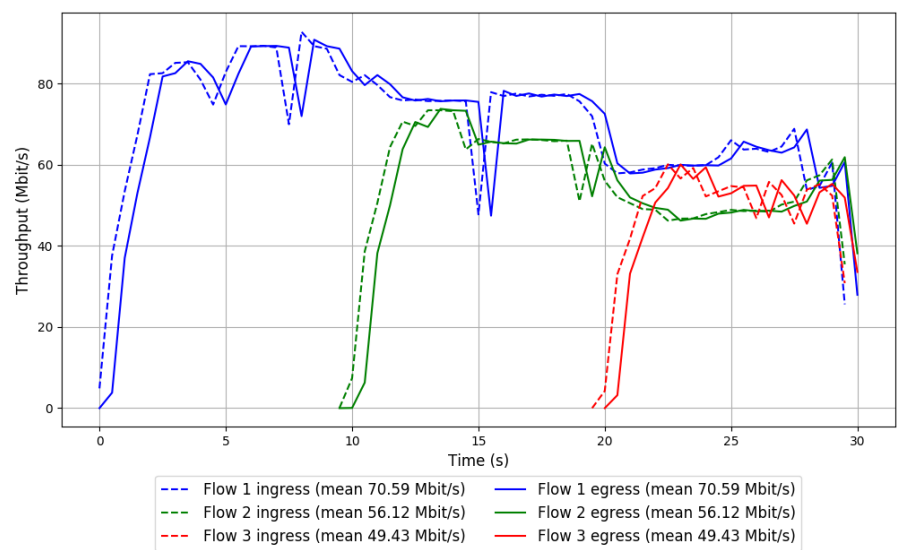
-- Flow 3:

Average throughput: 49.43 Mbit/s

95th percentile per-packet one-way delay: 22.959 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 06:32:07

End at: 2018-07-10 06:32:37

Local clock offset: 0.145 ms

Remote clock offset: 3.749 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.20 Mbit/s

95th percentile per-packet one-way delay: 21.623 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 66.18 Mbit/s

95th percentile per-packet one-way delay: 19.836 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 22.122 ms

Loss rate: 0.16%

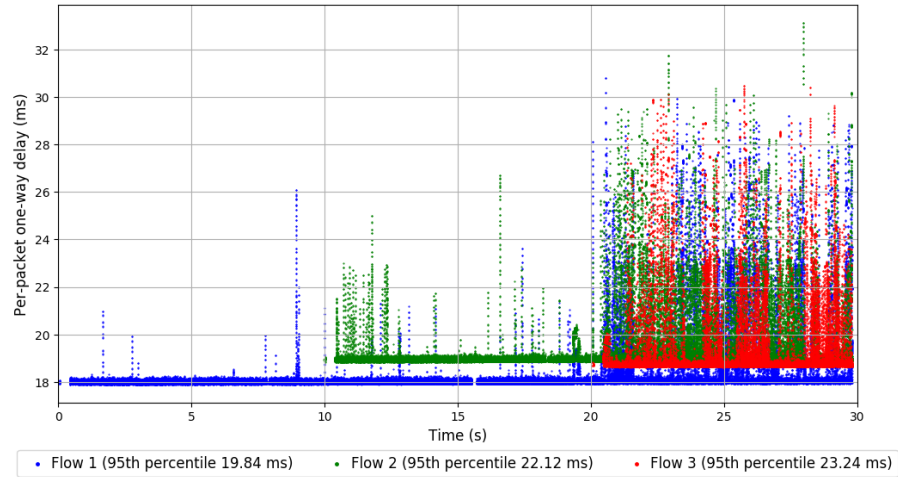
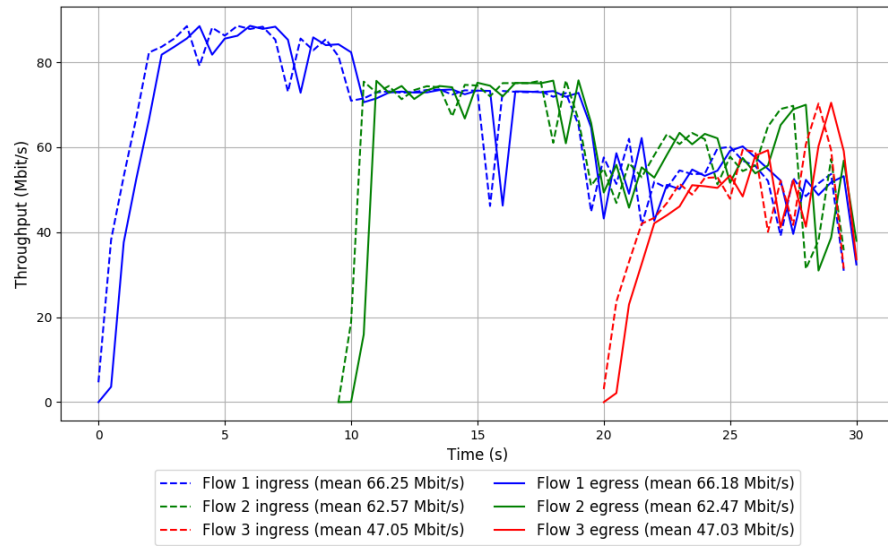
-- Flow 3:

Average throughput: 47.03 Mbit/s

95th percentile per-packet one-way delay: 23.242 ms

Loss rate: 0.05%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 06:59:37

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

Local clock offset: 0.155 ms

Remote clock offset: 3.697 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.29 Mbit/s

95th percentile per-packet one-way delay: 19.907 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 64.69 Mbit/s

95th percentile per-packet one-way delay: 20.969 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 63.23 Mbit/s

95th percentile per-packet one-way delay: 19.097 ms

Loss rate: 0.06%

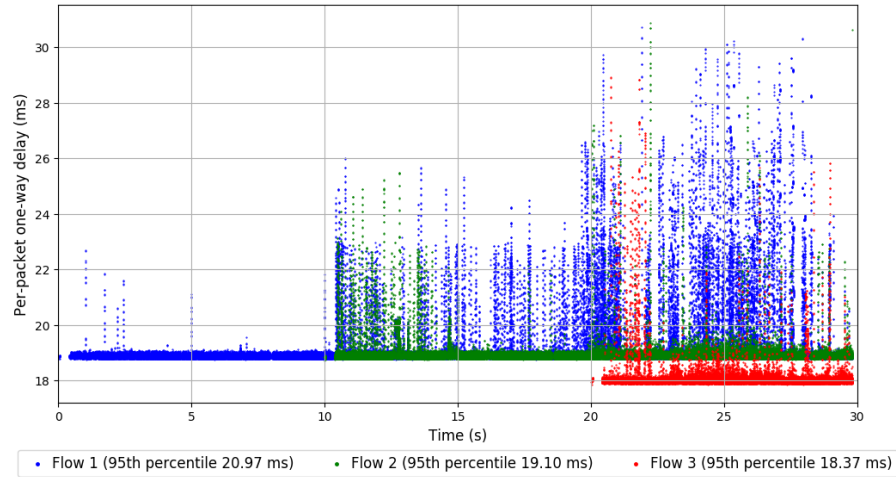
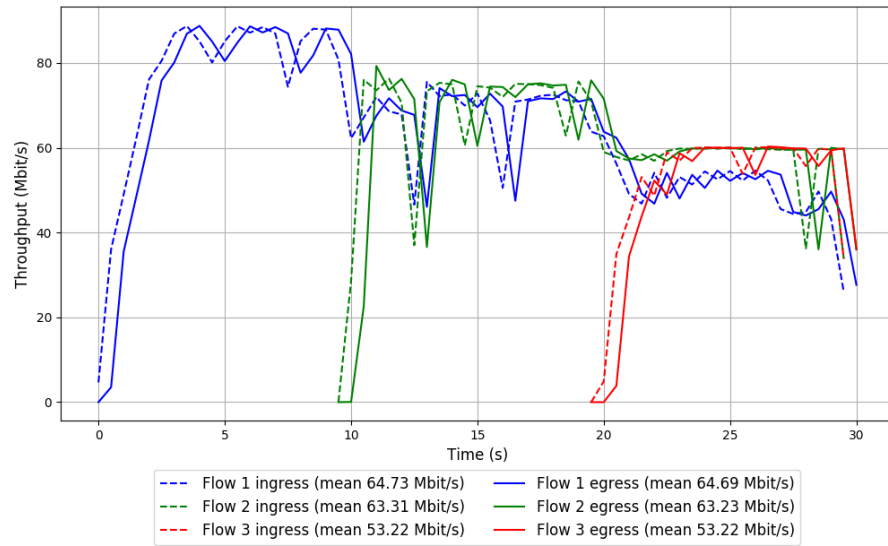
-- Flow 3:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 18.371 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

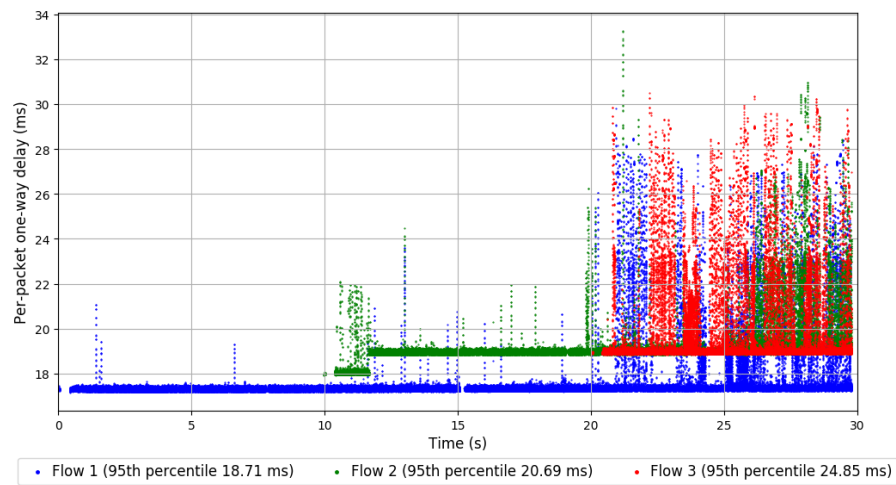
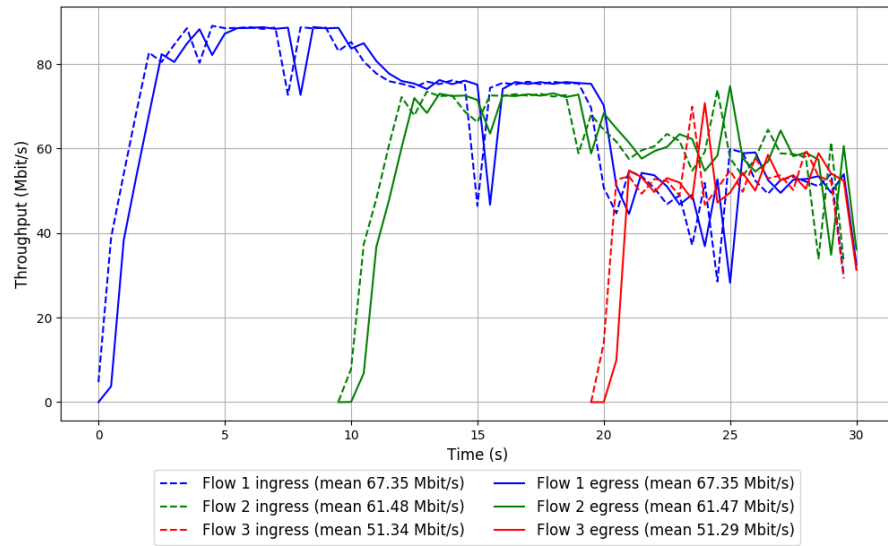


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 07:27:03
End at: 2018-07-10 07:27:33
Local clock offset: 0.556 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.14 Mbit/s
95th percentile per-packet one-way delay: 21.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 18.709 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 24.846 ms
Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link

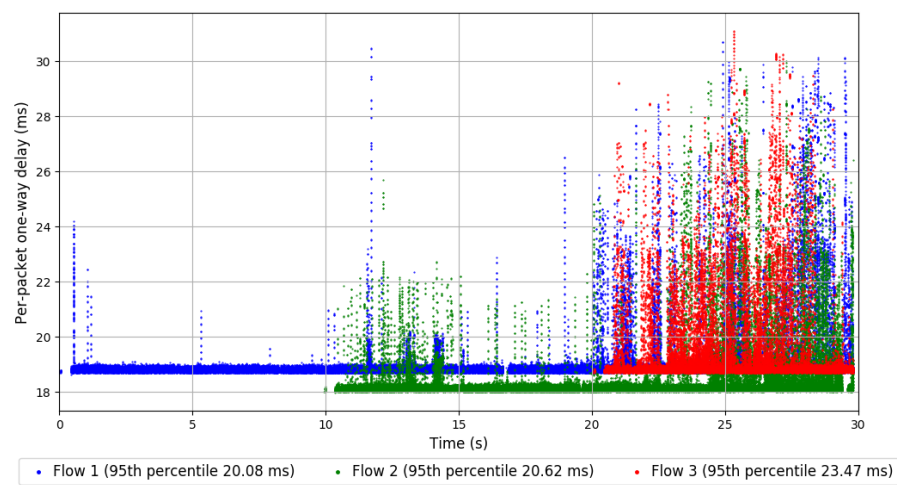
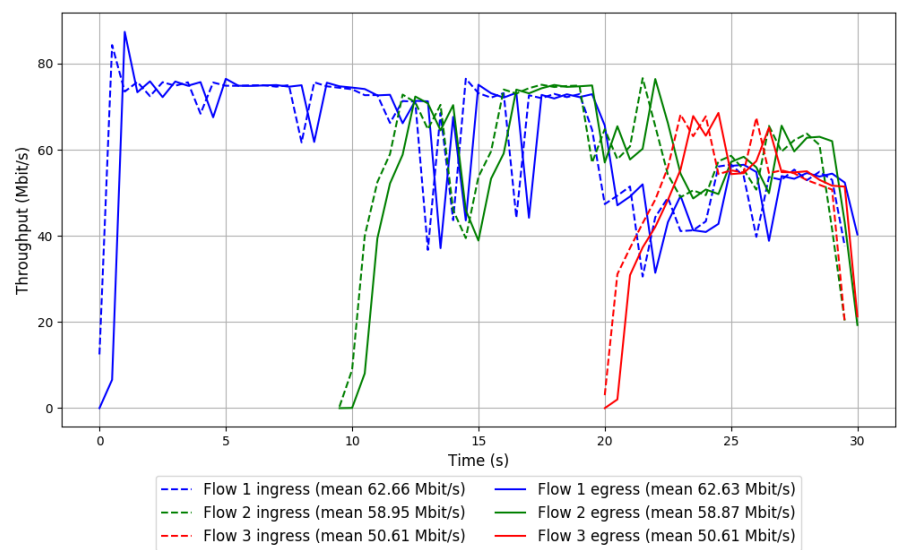


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 07:54:00
End at: 2018-07-10 07:54:30
Local clock offset: 0.747 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 21.149 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 20.078 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 20.625 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 23.466 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

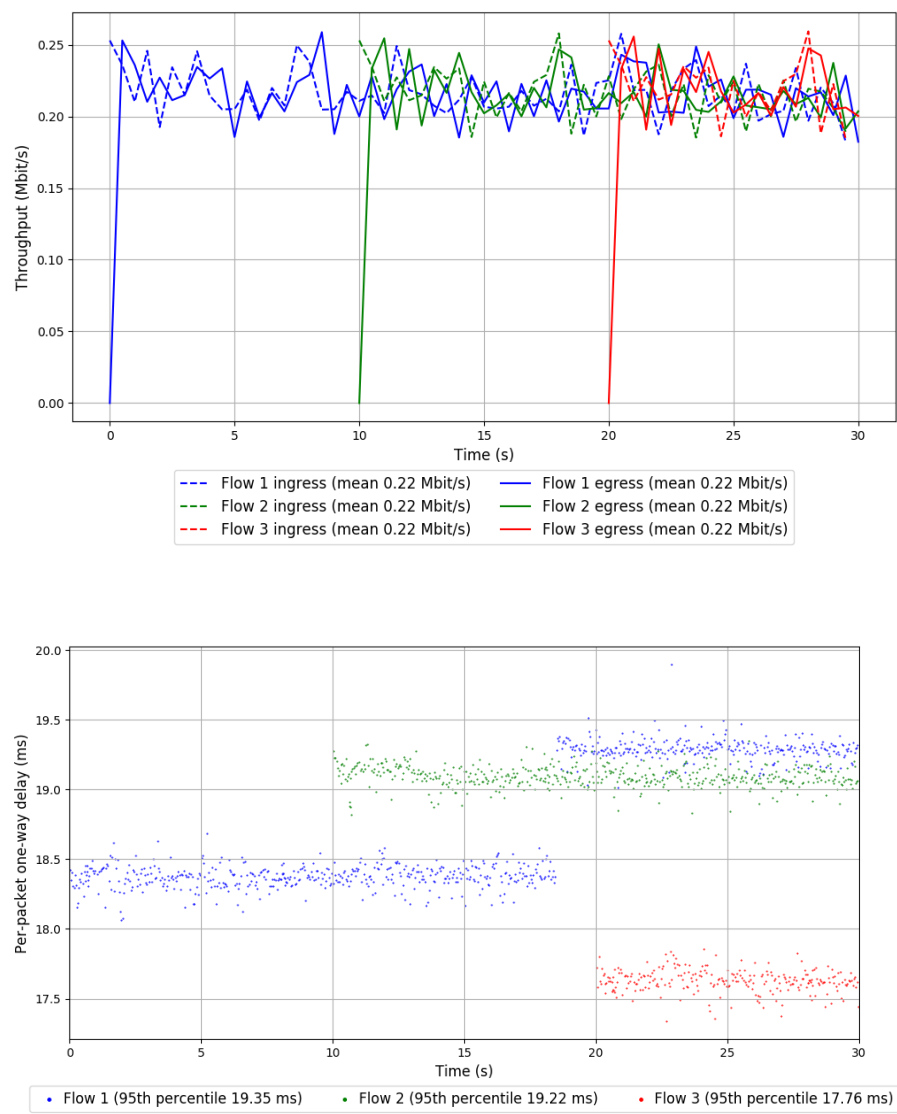


Run 1: Statistics of SReAM

Start at: 2018-07-10 03:47:25
End at: 2018-07-10 03:47:55
Local clock offset: 0.442 ms
Remote clock offset: -7.131 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.758 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

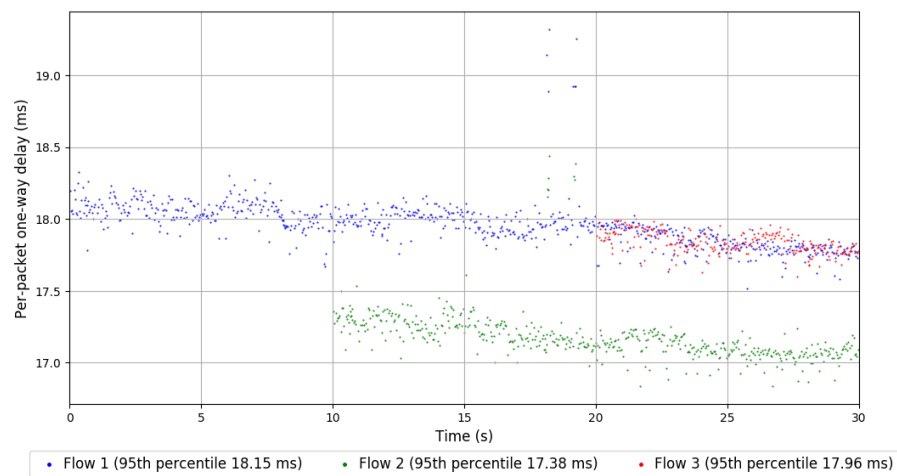
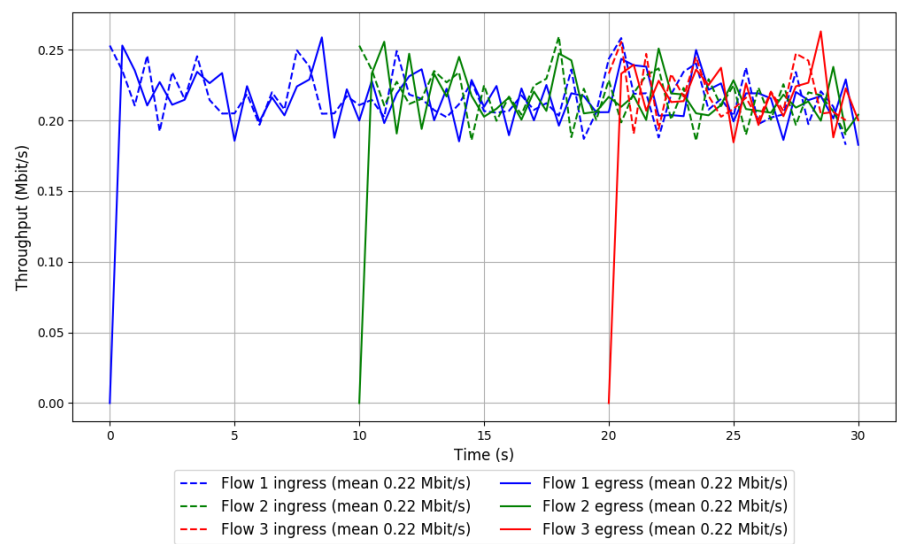


```
Run 2: Statistics of SReAM

Start at: 2018-07-10 04:14:34
End at: 2018-07-10 04:15:04
Local clock offset: 0.175 ms
Remote clock offset: -7.836 ms

# Below is generated by plot.py at 2018-07-10 10:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.150 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.959 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

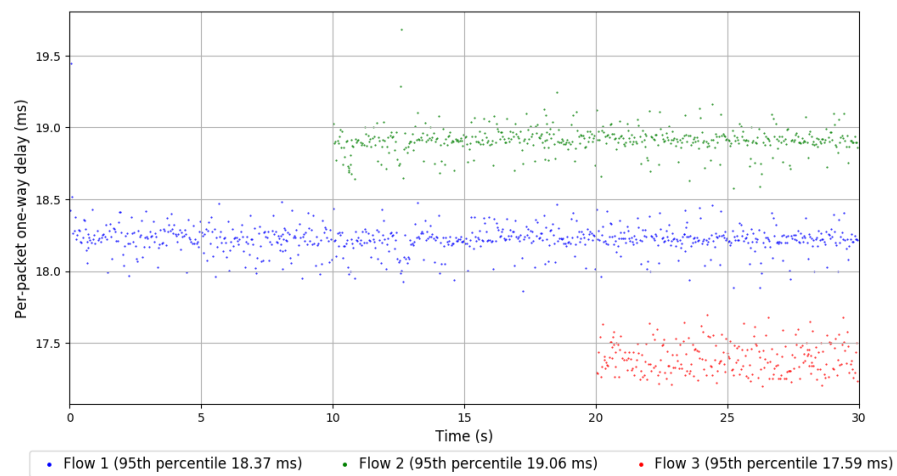
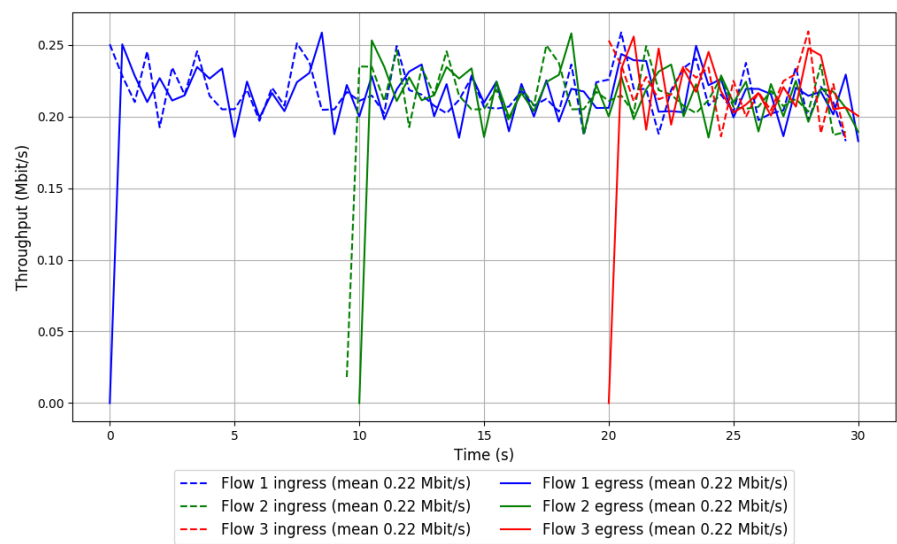


Run 3: Statistics of SReAM

Start at: 2018-07-10 04:41:49
End at: 2018-07-10 04:42:19
Local clock offset: -0.068 ms
Remote clock offset: -2.025 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.585 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

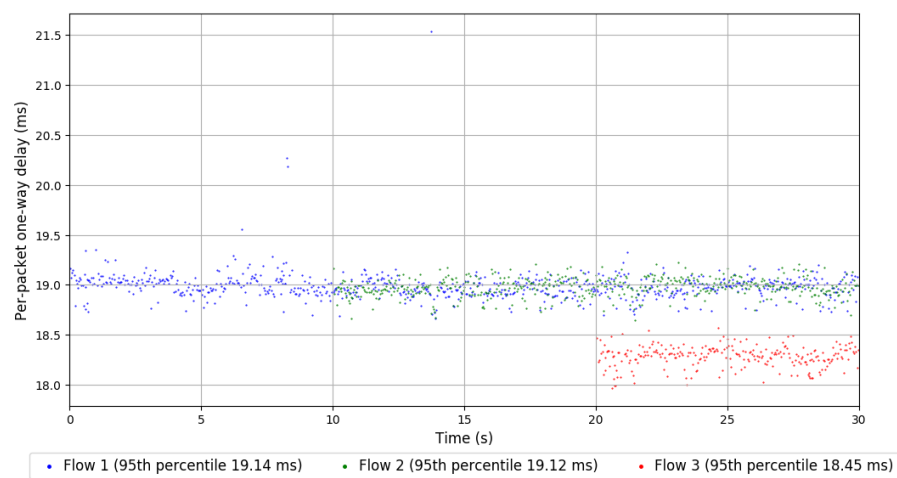
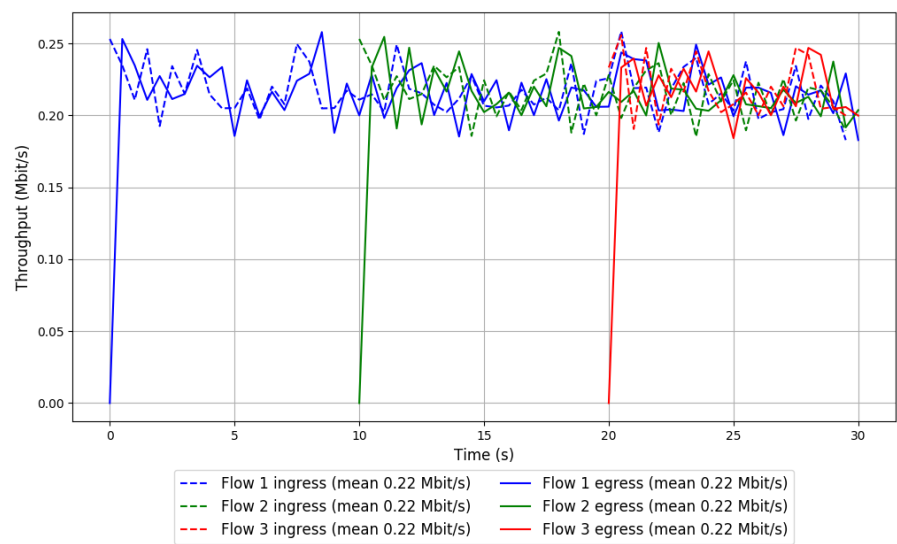


Run 4: Statistics of SReAM

Start at: 2018-07-10 05:09:06
End at: 2018-07-10 05:09:36
Local clock offset: -0.088 ms
Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.451 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-10 05:36:27

End at: 2018-07-10 05:36:57

Local clock offset: -0.036 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 19.085 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 17.783 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.232 ms

Loss rate: 0.00%

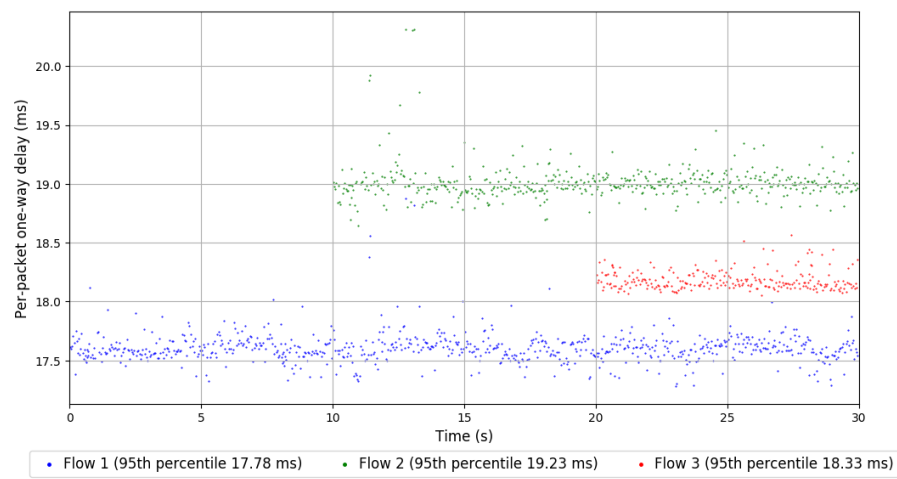
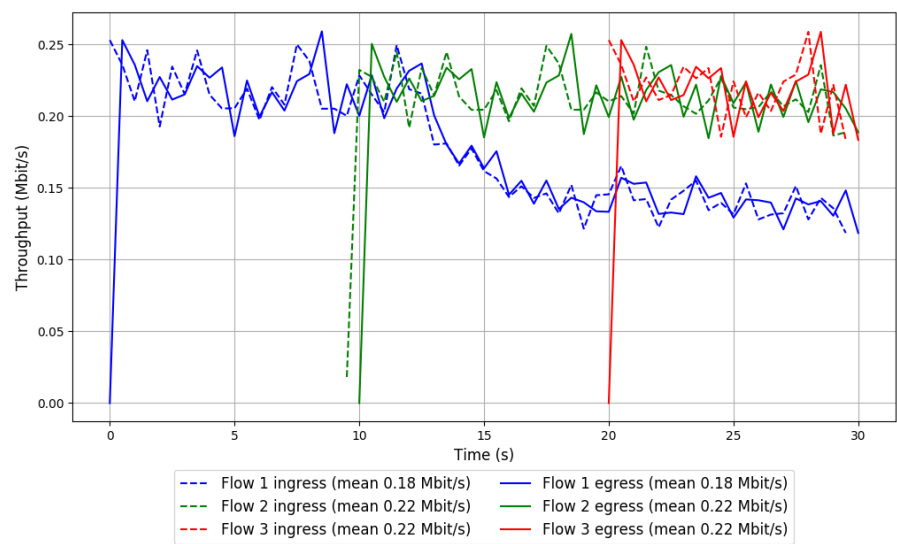
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.333 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-10 06:03:43

End at: 2018-07-10 06:04:13

Local clock offset: 0.07 ms

Remote clock offset: 2.234 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.241 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.240 ms

Loss rate: 0.00%

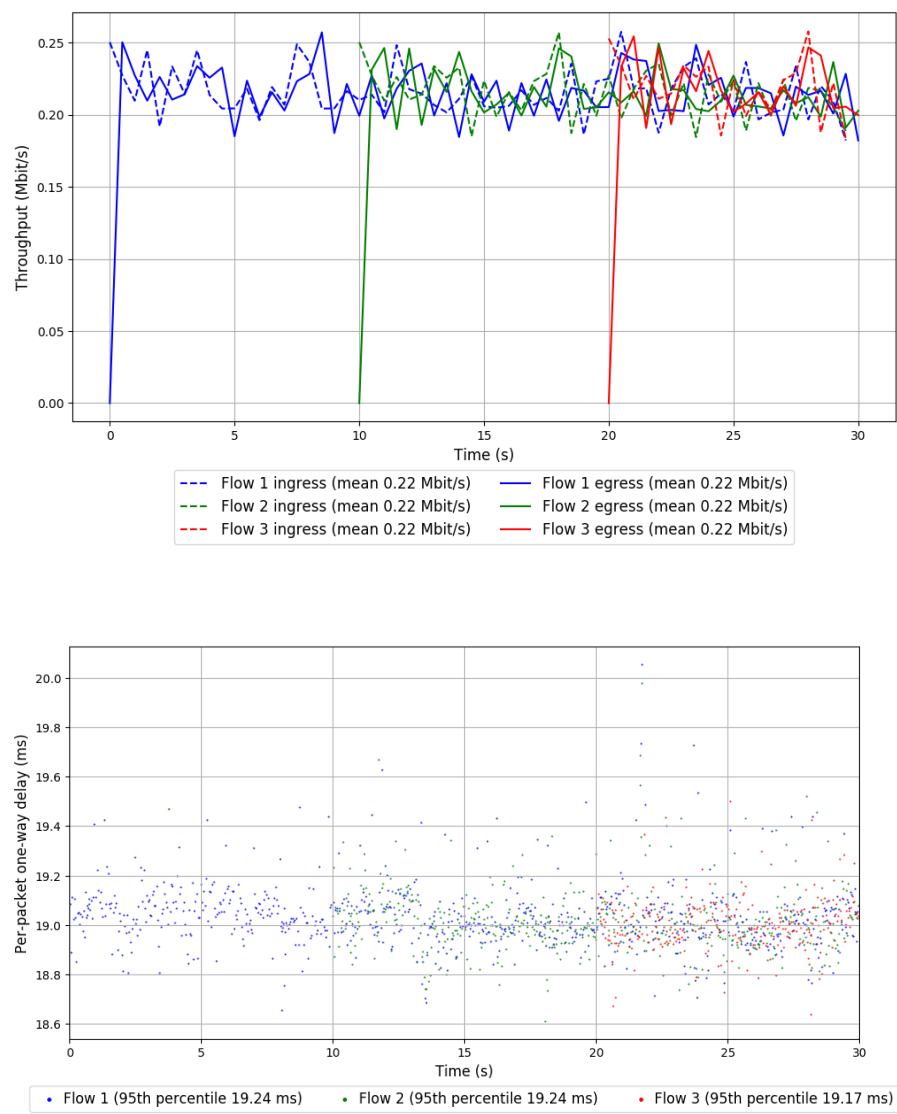
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.169 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-10 06:30:49

End at: 2018-07-10 06:31:19

Local clock offset: 0.125 ms

Remote clock offset: 3.907 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.128 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.665 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.569 ms

Loss rate: 0.00%

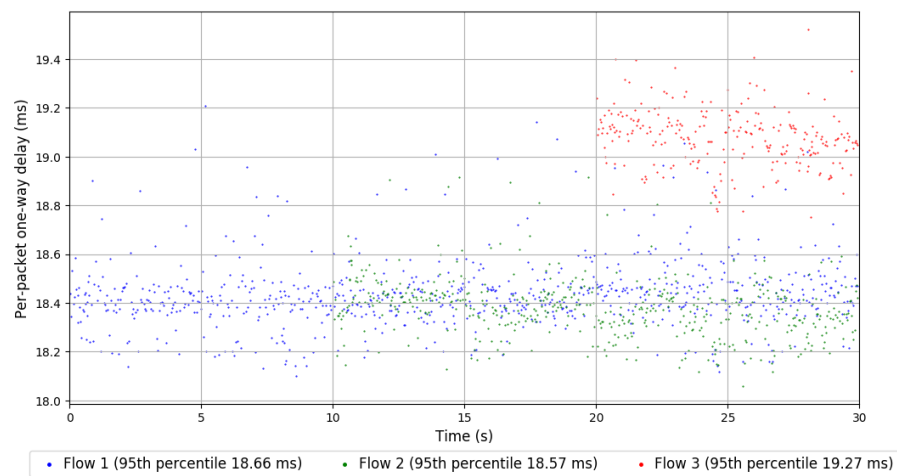
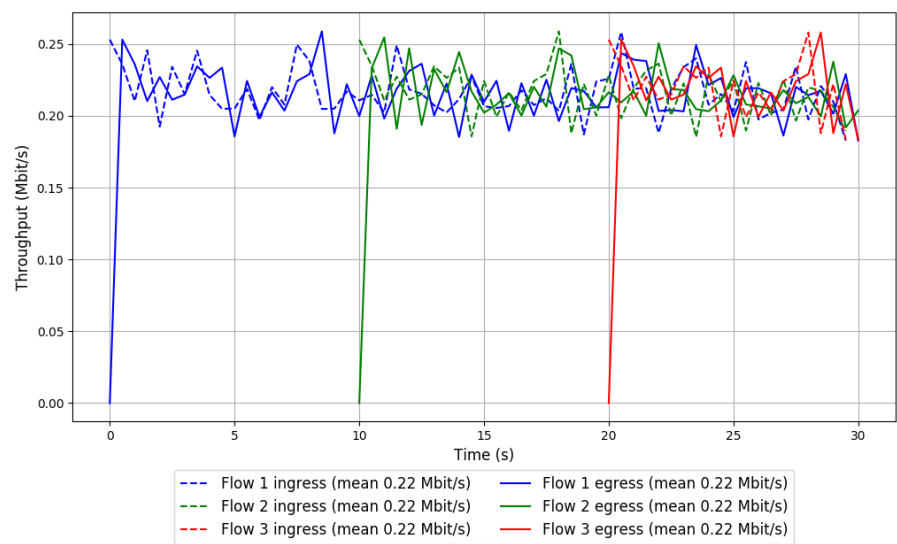
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.268 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-10 06:58:19

End at: 2018-07-10 06:58:49

Local clock offset: 0.173 ms

Remote clock offset: 3.737 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.324 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.553 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.486 ms

Loss rate: 0.00%

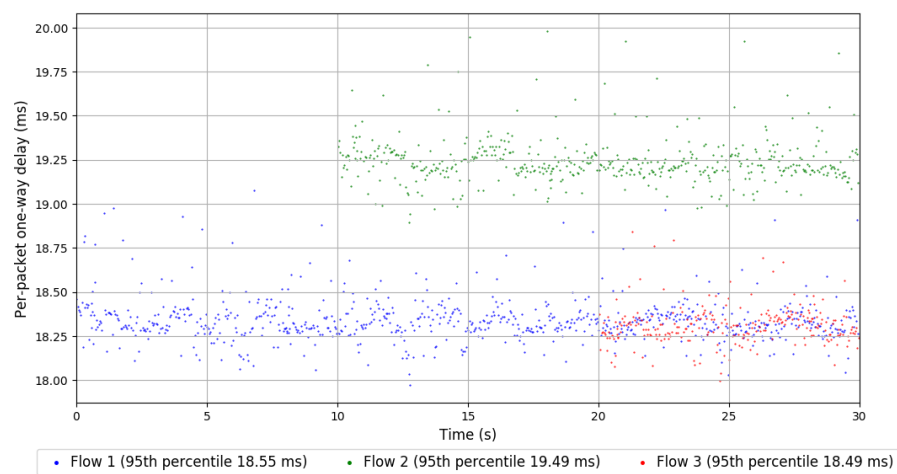
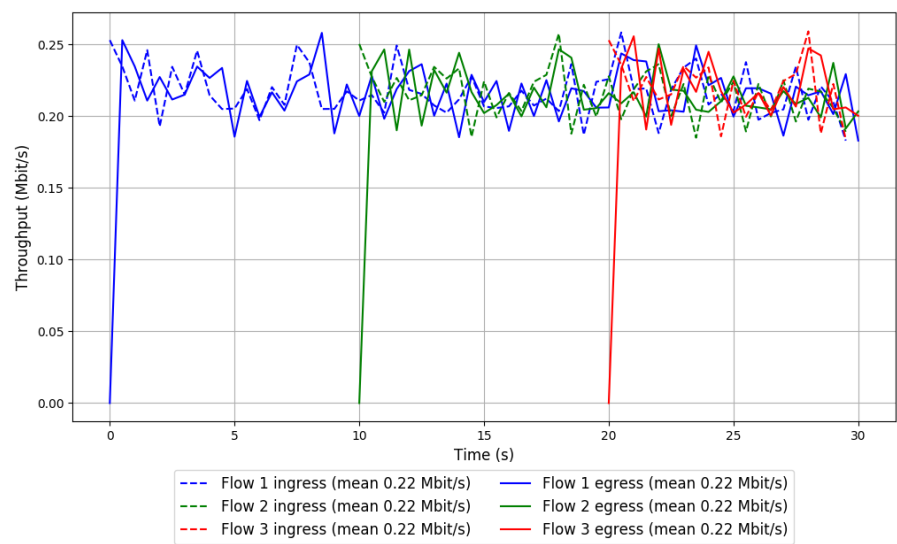
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.487 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

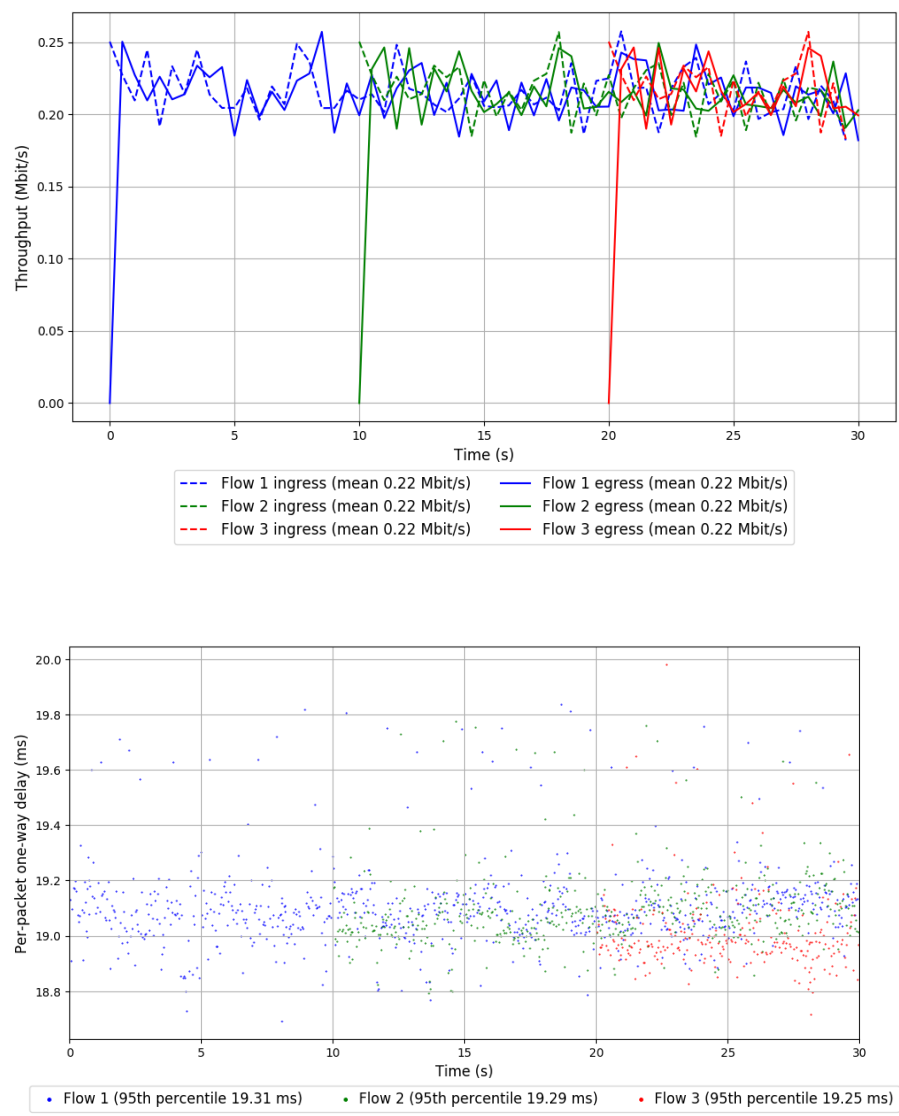


Run 9: Statistics of SReAM

Start at: 2018-07-10 07:25:45
End at: 2018-07-10 07:26:15
Local clock offset: 0.53 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

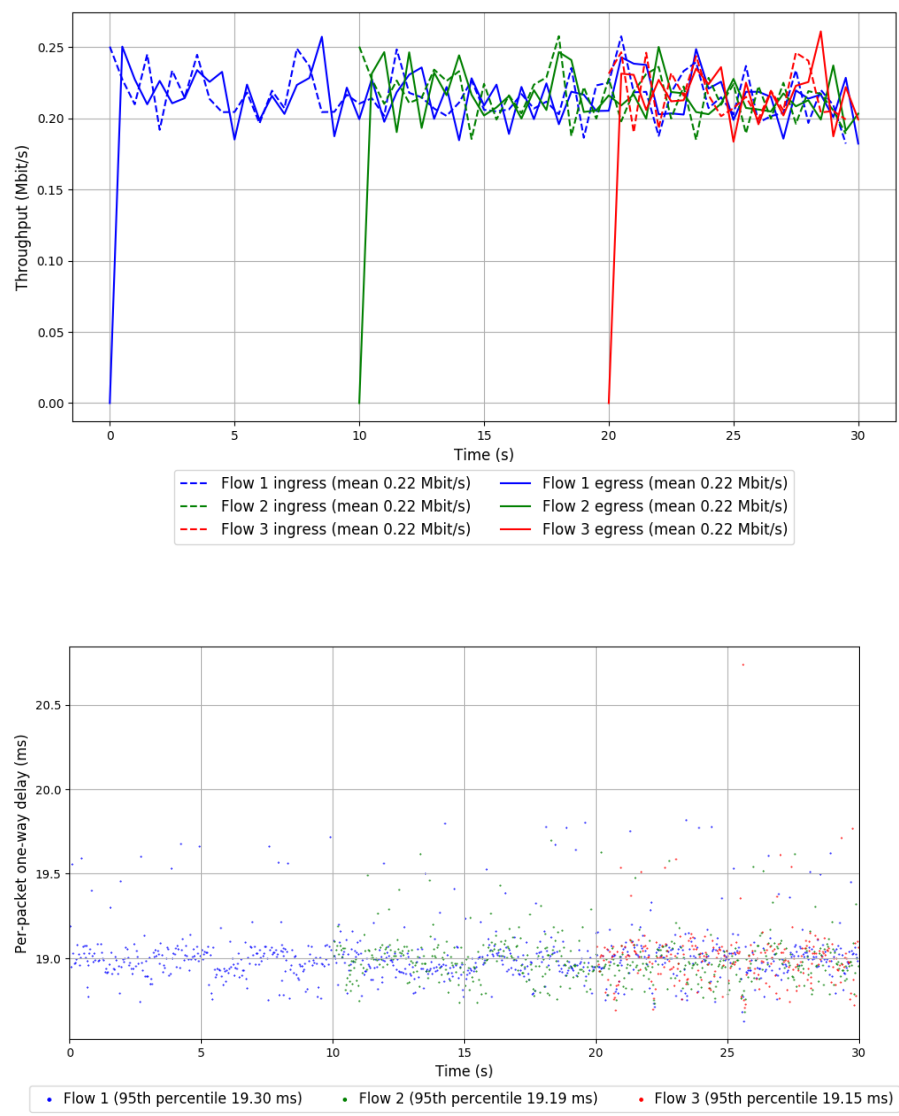


Run 10: Statistics of SReAM

Start at: 2018-07-10 07:52:42
End at: 2018-07-10 07:53:12
Local clock offset: 0.745 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

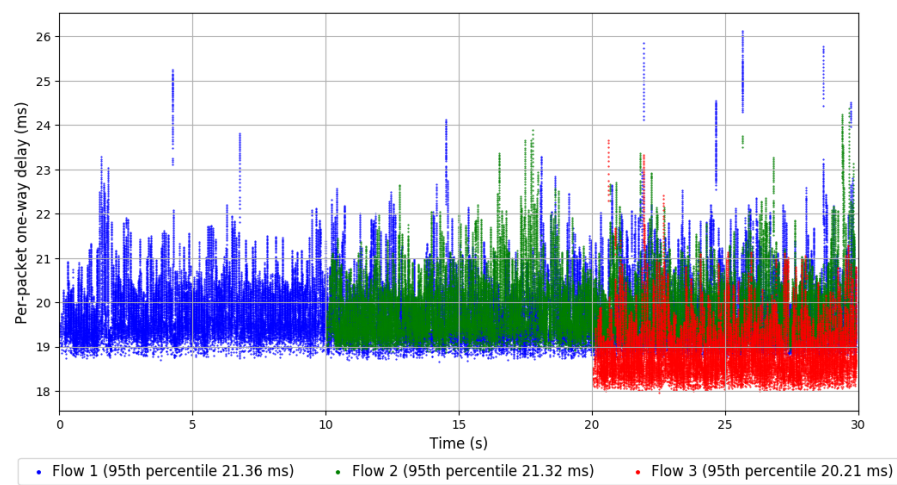
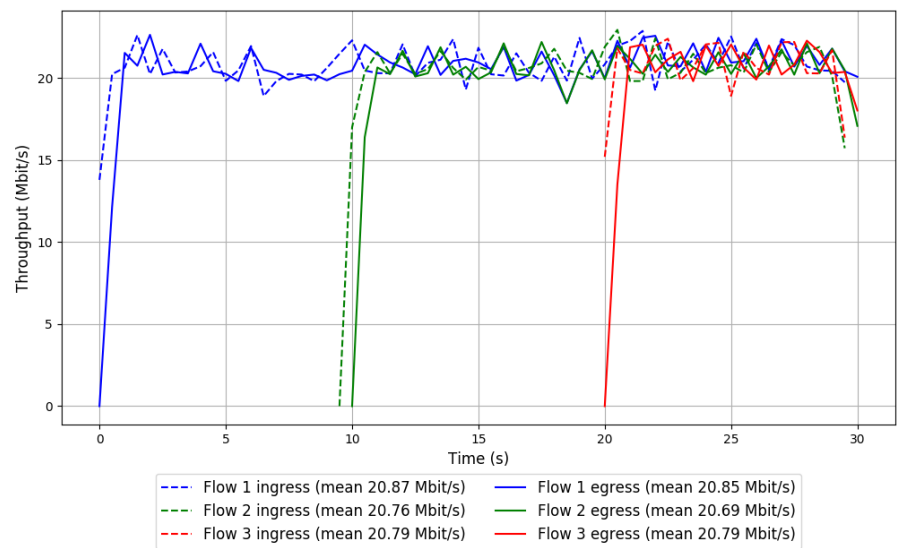


Run 1: Statistics of Sprout

Start at: 2018-07-10 03:59:58
End at: 2018-07-10 04:00:28
Local clock offset: 0.353 ms
Remote clock offset: -8.096 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 21.241 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 21.362 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 21.324 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 20.209 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

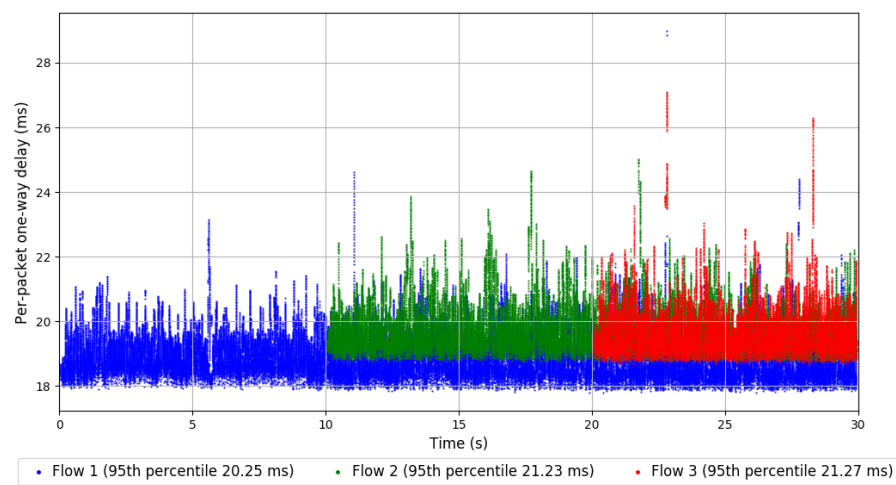
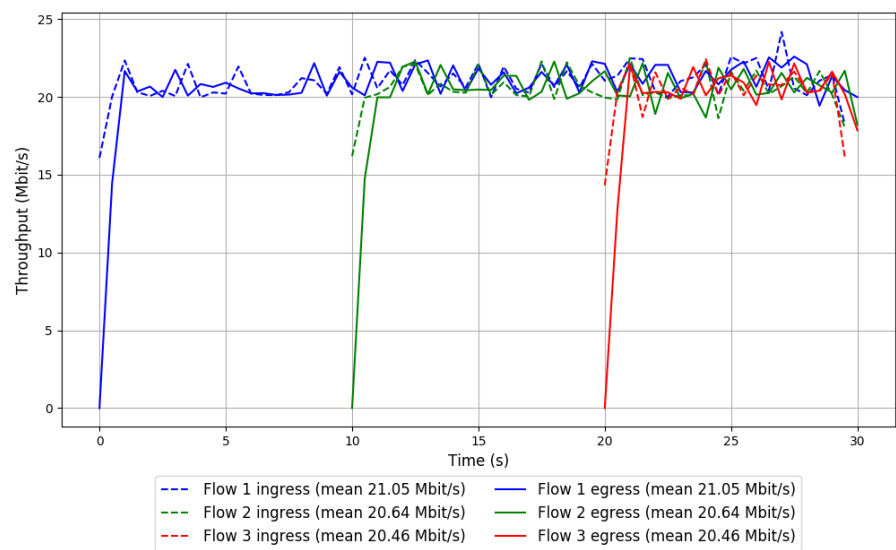


Run 2: Statistics of Sprout

Start at: 2018-07-10 04:27:14
End at: 2018-07-10 04:27:44
Local clock offset: 0.039 ms
Remote clock offset: -3.472 ms

```
# Below is generated by plot.py at 2018-07-10 10:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 20.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 20.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 21.234 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 21.275 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

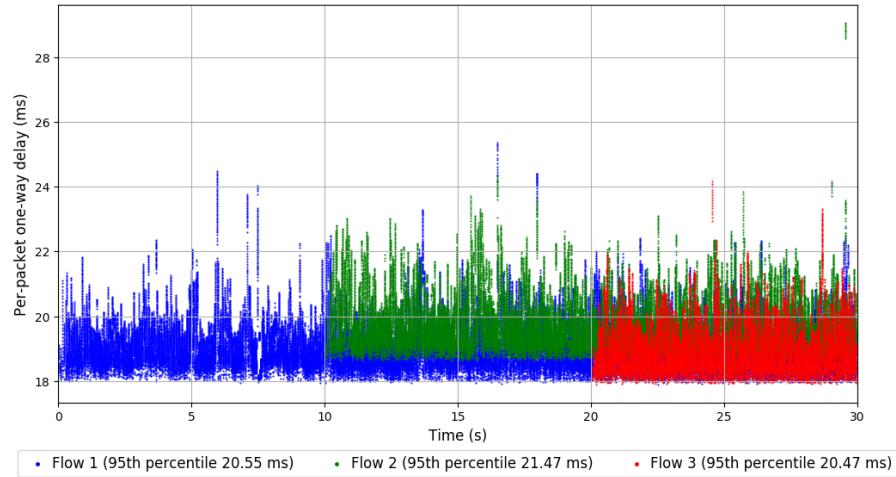
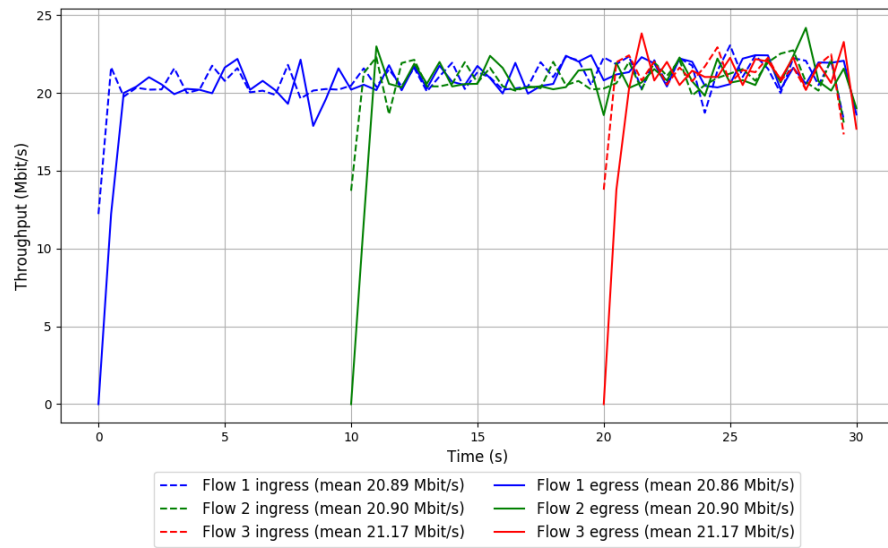


Run 3: Statistics of Sprout

Start at: 2018-07-10 04:54:30
End at: 2018-07-10 04:55:00
Local clock offset: -0.073 ms
Remote clock offset: -0.134 ms

```
# Below is generated by plot.py at 2018-07-10 10:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 20.974 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 20.549 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 21.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 20.470 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

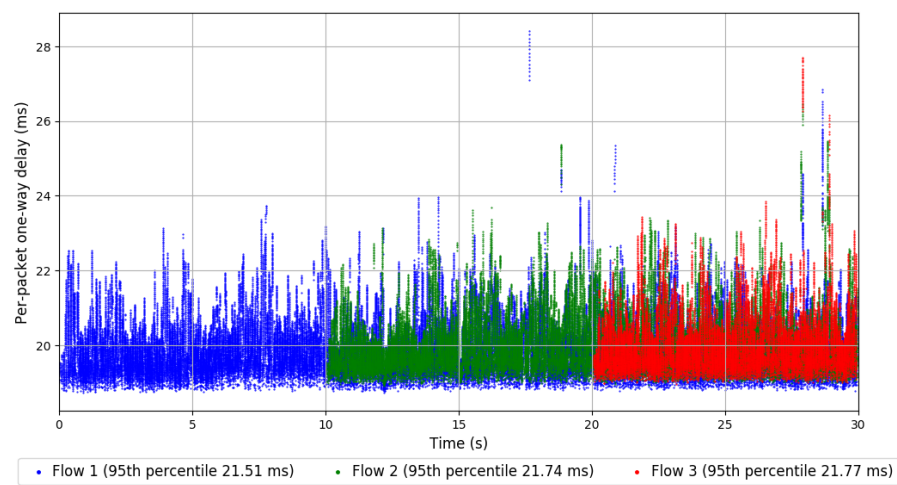
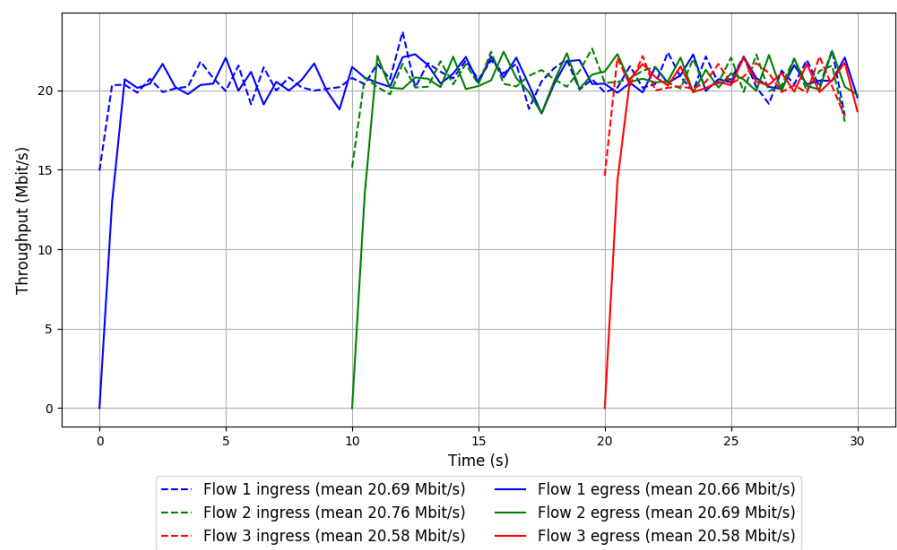


Run 4: Statistics of Sprout

Start at: 2018-07-10 05:21:44
End at: 2018-07-10 05:22:14
Local clock offset: -0.066 ms
Remote clock offset: 1.957 ms

```
# Below is generated by plot.py at 2018-07-10 10:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 21.626 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 21.507 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 21.738 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

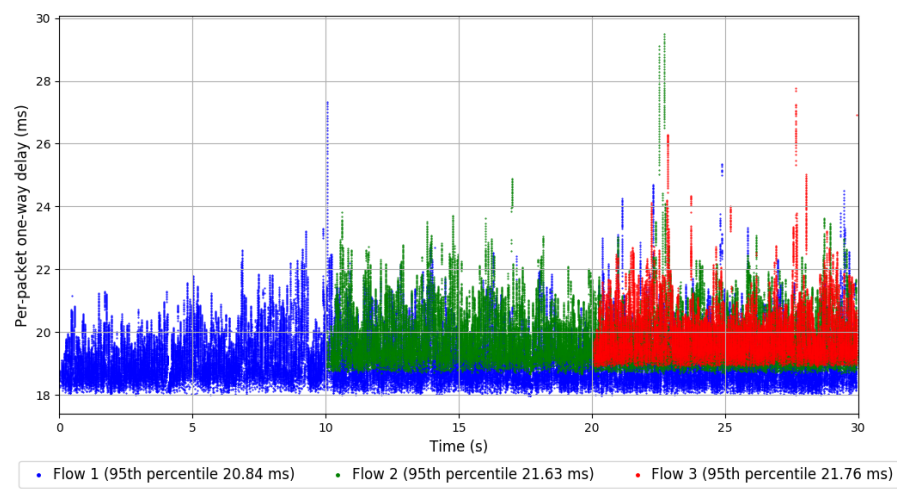
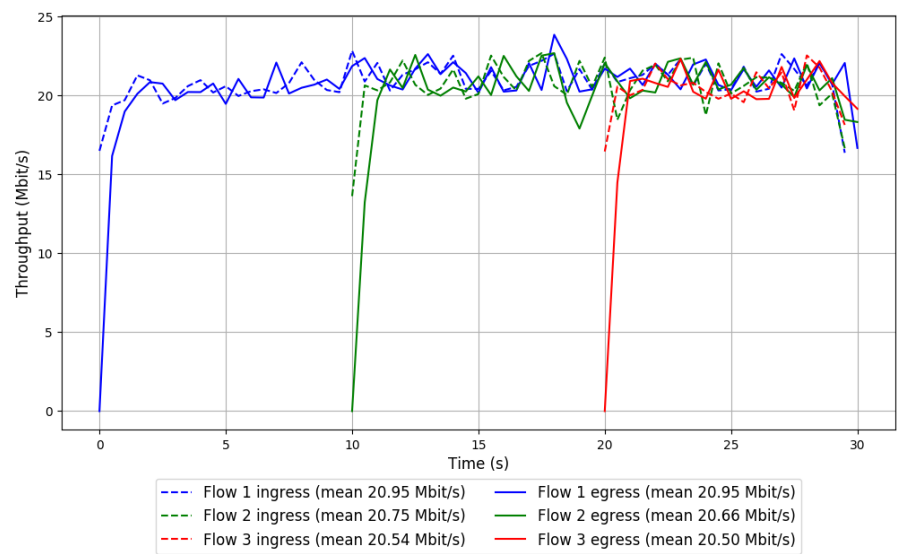


Run 5: Statistics of Sprout

Start at: 2018-07-10 05:49:09
End at: 2018-07-10 05:49:39
Local clock offset: -0.002 ms
Remote clock offset: 0.5 ms

```
# Below is generated by plot.py at 2018-07-10 10:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 21.345 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.95 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 21.631 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 21.757 ms
Loss rate: 0.15%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-10 06:16:22

End at: 2018-07-10 06:16:52

Local clock offset: 0.041 ms

Remote clock offset: 3.353 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.34 Mbit/s

95th percentile per-packet one-way delay: 21.374 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.43 Mbit/s

95th percentile per-packet one-way delay: 21.750 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 20.863 ms

Loss rate: 0.00%

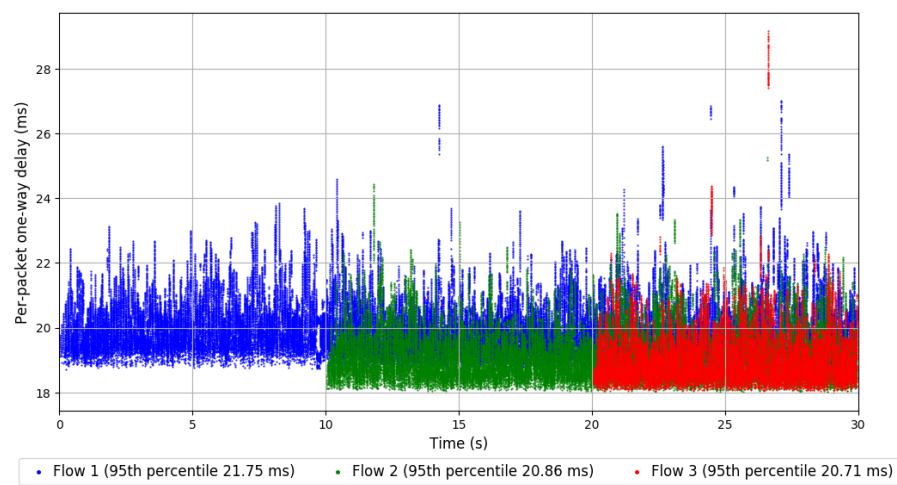
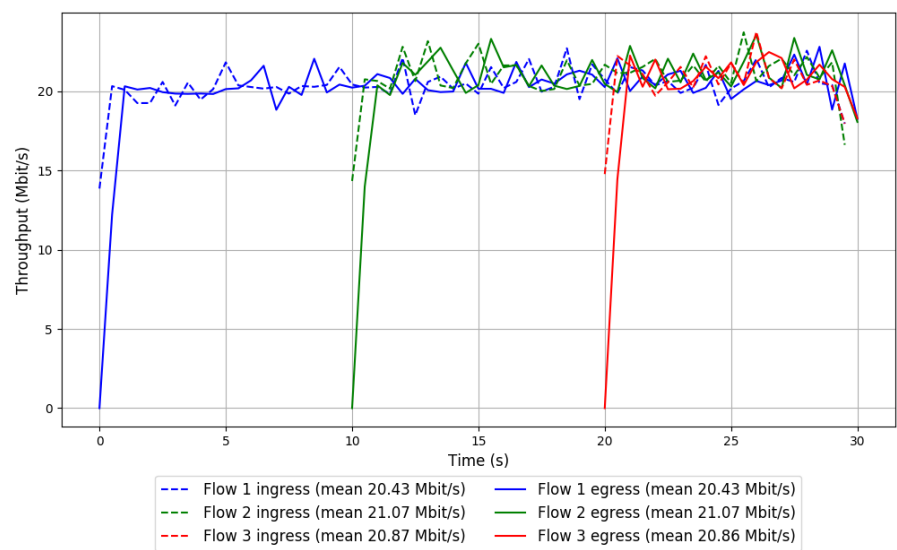
-- Flow 3:

Average throughput: 20.86 Mbit/s

95th percentile per-packet one-way delay: 20.706 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

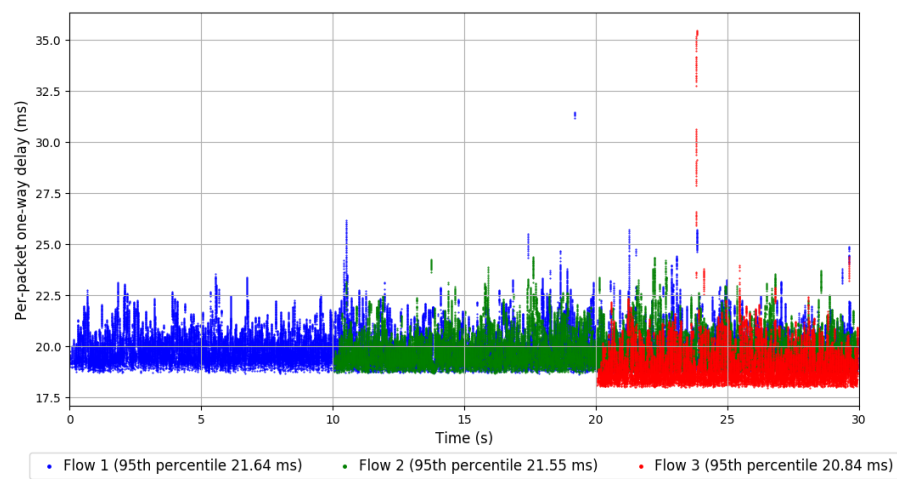
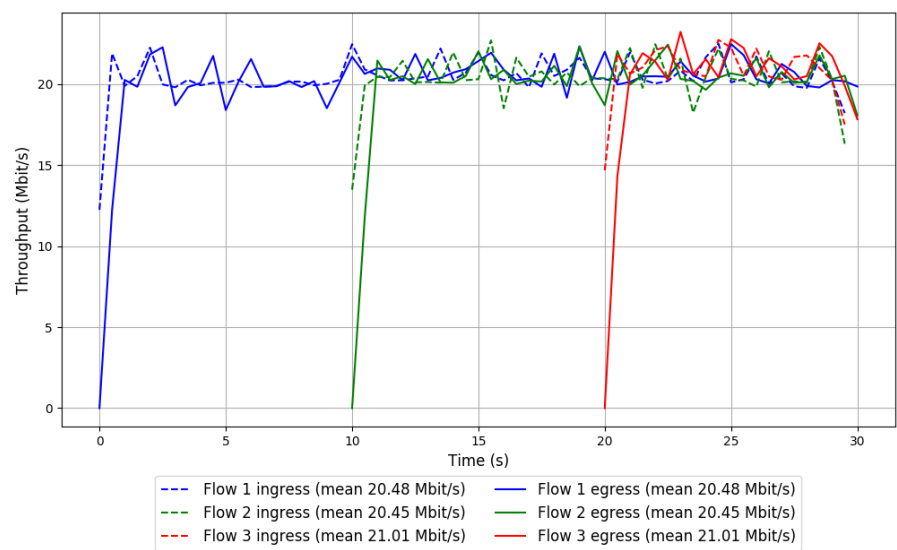


Run 7: Statistics of Sprout

Start at: 2018-07-10 06:43:36
End at: 2018-07-10 06:44:06
Local clock offset: 0.138 ms
Remote clock offset: 3.5 ms

```
# Below is generated by plot.py at 2018-07-10 10:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 21.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 21.640 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 21.554 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 20.839 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

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

End at: 2018-07-10 07:11:26

Local clock offset: 0.208 ms

Remote clock offset: 1.546 ms

Below is generated by plot.py at 2018-07-10 10:15:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 20.873 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 20.559 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 21.04 Mbit/s

95th percentile per-packet one-way delay: 21.304 ms

Loss rate: 0.14%

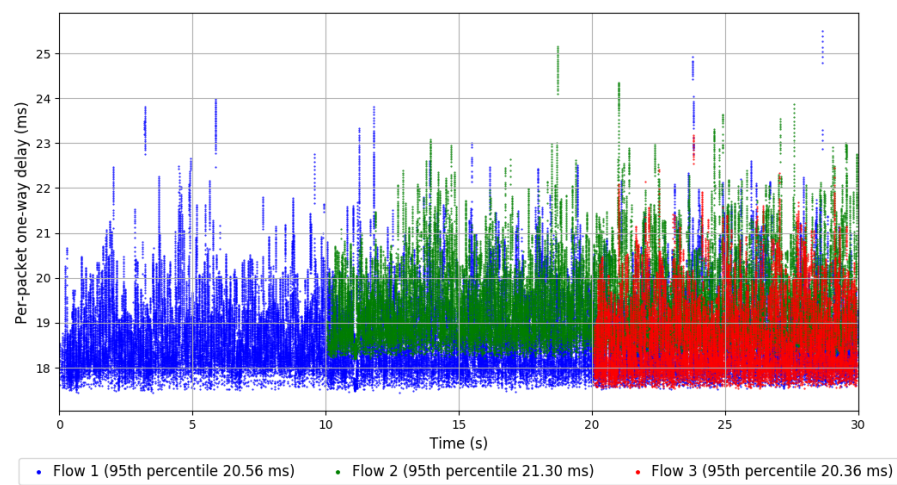
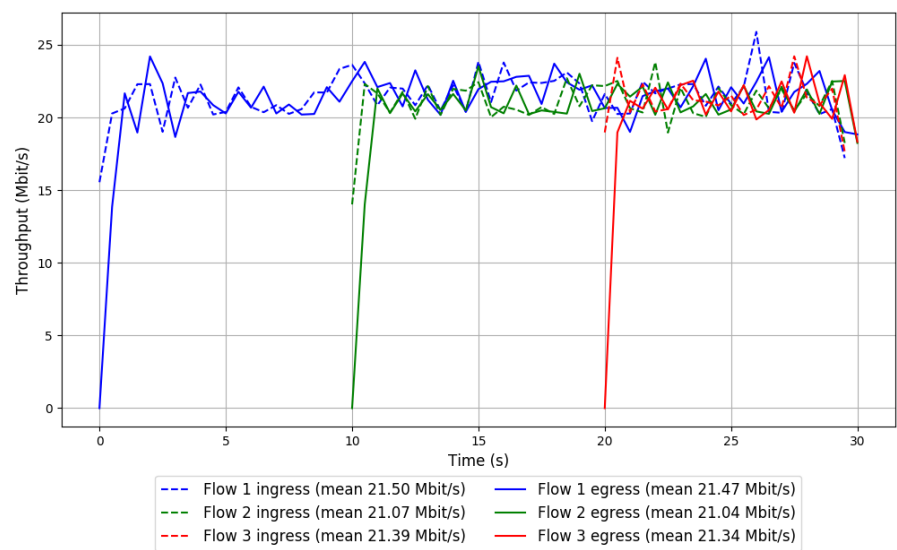
-- Flow 3:

Average throughput: 21.34 Mbit/s

95th percentile per-packet one-way delay: 20.363 ms

Loss rate: 0.23%

Run 8: Report of Sprout — Data Link

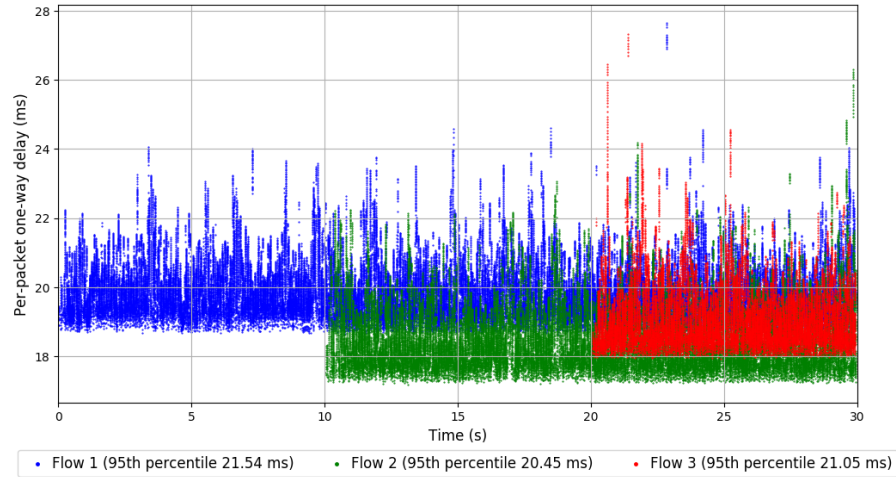
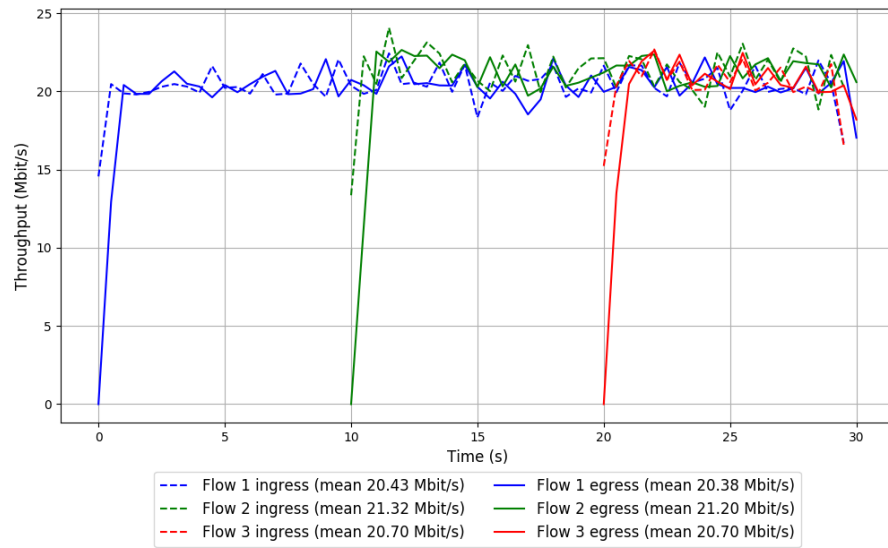


Run 9: Statistics of Sprout

Start at: 2018-07-10 07:38:22
End at: 2018-07-10 07:38:52
Local clock offset: 0.666 ms
Remote clock offset: -0.557 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 21.255 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 21.537 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 20.450 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 21.052 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

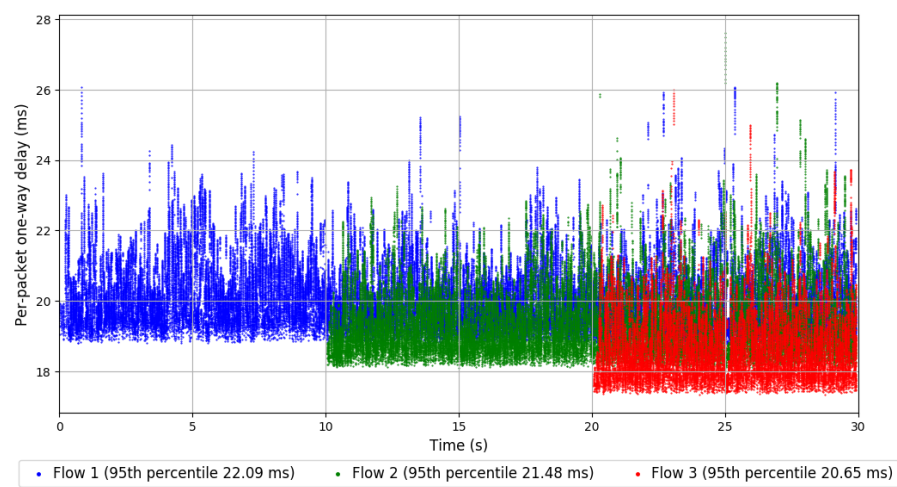
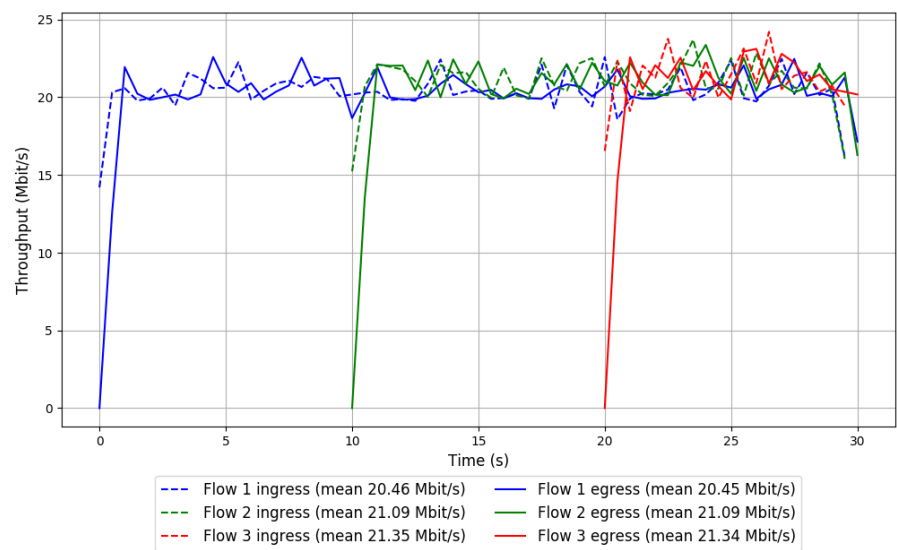


Run 10: Statistics of Sprout

Start at: 2018-07-10 08:05:18
End at: 2018-07-10 08:05:48
Local clock offset: 0.709 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-10 10:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 21.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 22.090 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 21.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 20.646 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

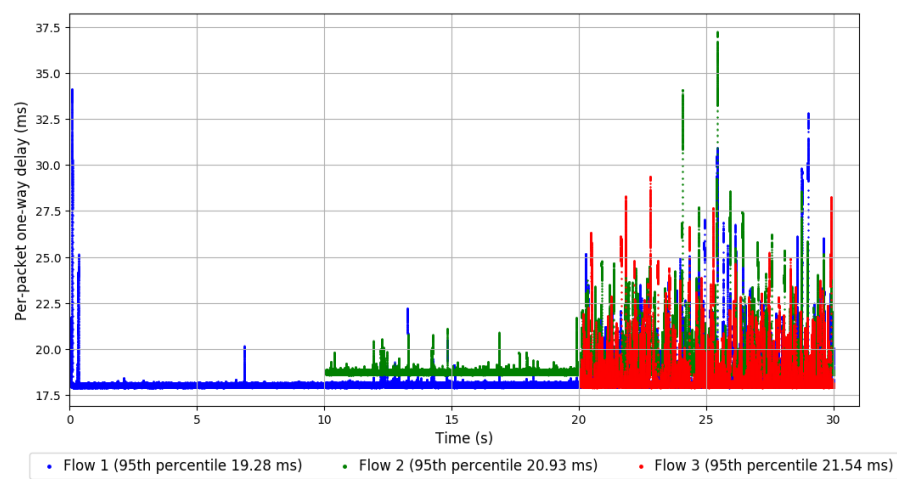
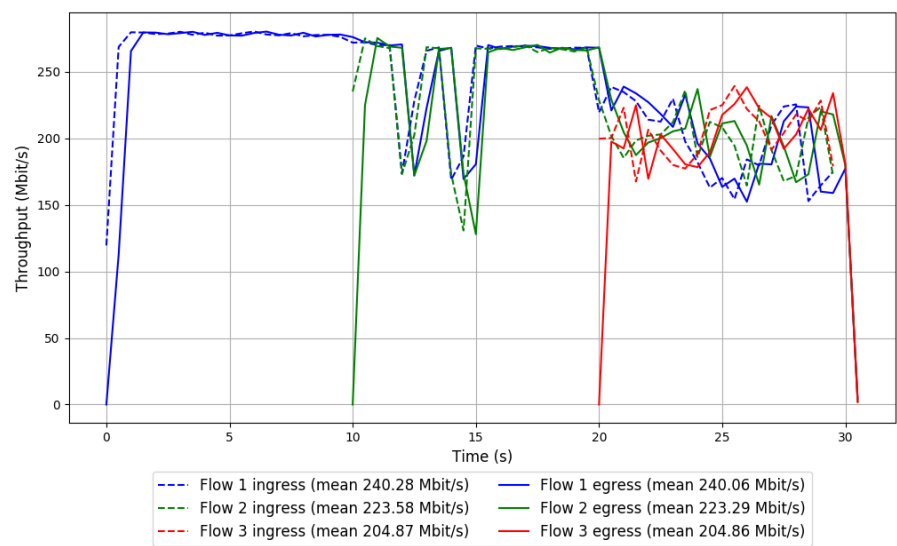


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 03:58:12
End at: 2018-07-10 03:58:42
Local clock offset: 0.382 ms
Remote clock offset: -8.014 ms

Below is generated by plot.py at 2018-07-10 10:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.91 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 240.06 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 223.29 Mbit/s
95th percentile per-packet one-way delay: 20.928 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 204.86 Mbit/s
95th percentile per-packet one-way delay: 21.535 ms
Loss rate: 0.00%

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

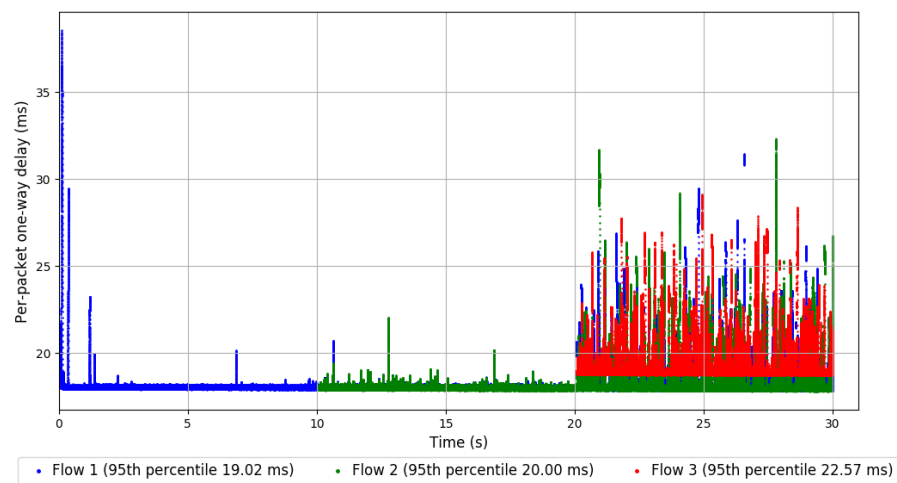
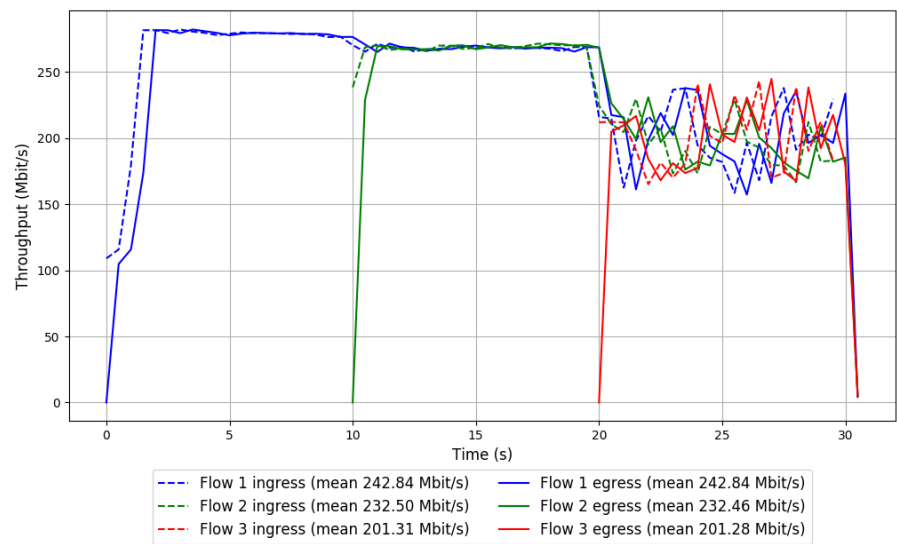


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 04:25:28
End at: 2018-07-10 04:25:58
Local clock offset: -0.028 ms
Remote clock offset: -3.809 ms

Below is generated by plot.py at 2018-07-10 10:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.58 Mbit/s
95th percentile per-packet one-way delay: 20.383 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 242.84 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.46 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 201.28 Mbit/s
95th percentile per-packet one-way delay: 22.572 ms
Loss rate: 0.00%

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

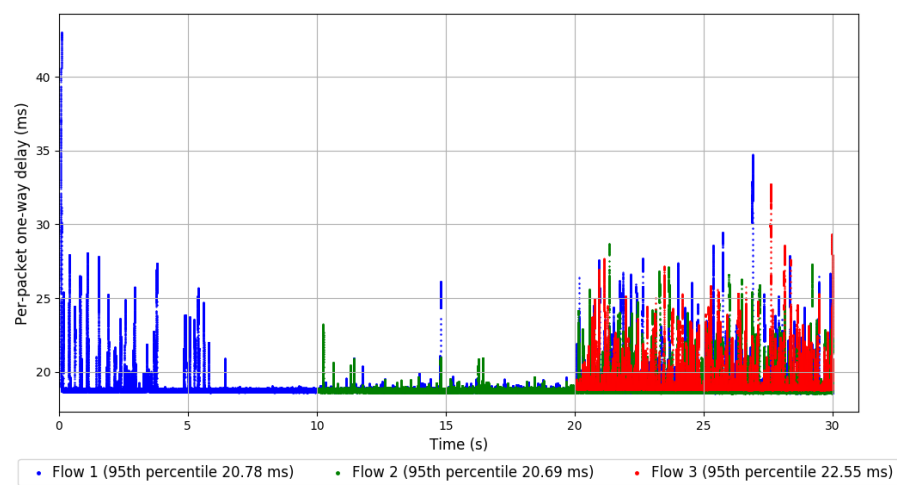
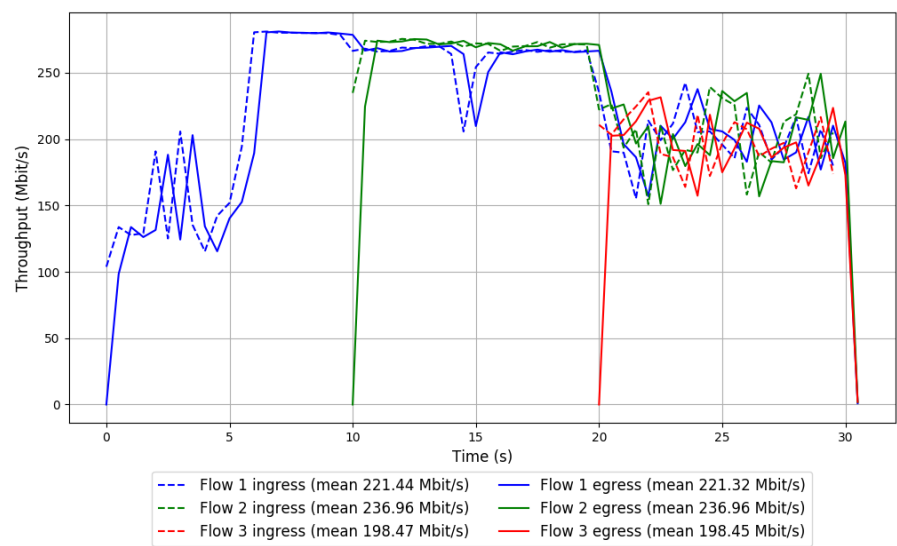


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 04:52:45
End at: 2018-07-10 04:53:15
Local clock offset: -0.099 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-07-10 10:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.12 Mbit/s
95th percentile per-packet one-way delay: 21.165 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 221.32 Mbit/s
95th percentile per-packet one-way delay: 20.782 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 236.96 Mbit/s
95th percentile per-packet one-way delay: 20.694 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.45 Mbit/s
95th percentile per-packet one-way delay: 22.547 ms
Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 05:20:09

End at: 2018-07-10 05:20:39

Local clock offset: -0.048 ms

Remote clock offset: 2.182 ms

Below is generated by plot.py at 2018-07-10 10:21:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.97 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 19.07 Mbit/s

95th percentile per-packet one-way delay: 18.941 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 268.13 Mbit/s

95th percentile per-packet one-way delay: 18.906 ms

Loss rate: 0.00%

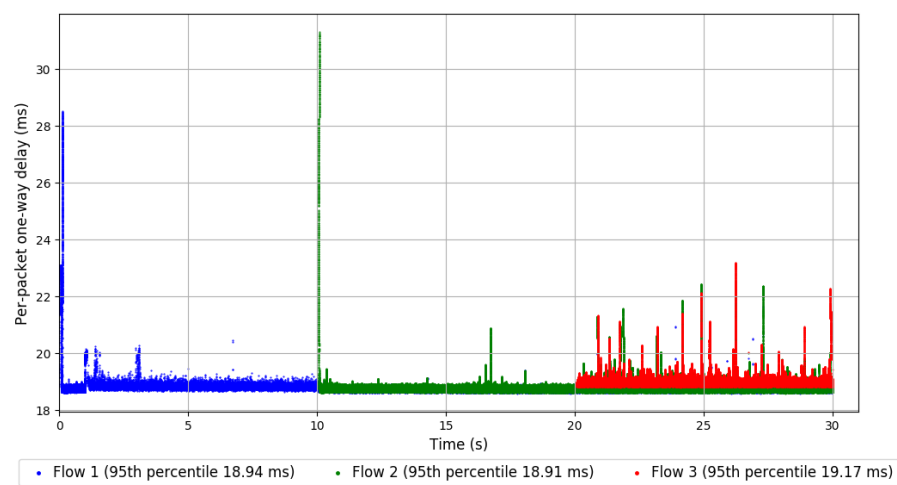
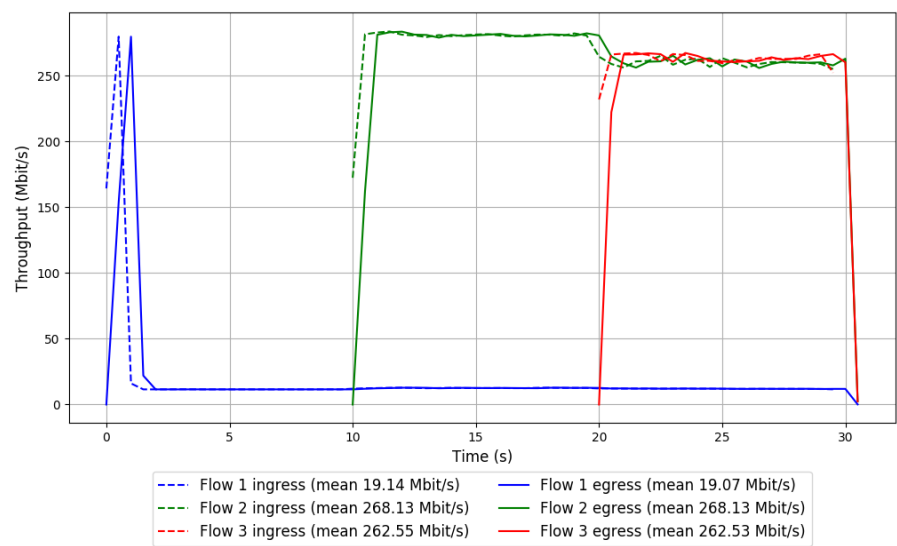
-- Flow 3:

Average throughput: 262.53 Mbit/s

95th percentile per-packet one-way delay: 19.172 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 05:47:24

End at: 2018-07-10 05:47:54

Local clock offset: -0.019 ms

Remote clock offset: 0.539 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 455.67 Mbit/s

95th percentile per-packet one-way delay: 20.966 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 237.52 Mbit/s

95th percentile per-packet one-way delay: 19.938 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 223.66 Mbit/s

95th percentile per-packet one-way delay: 21.120 ms

Loss rate: 0.12%

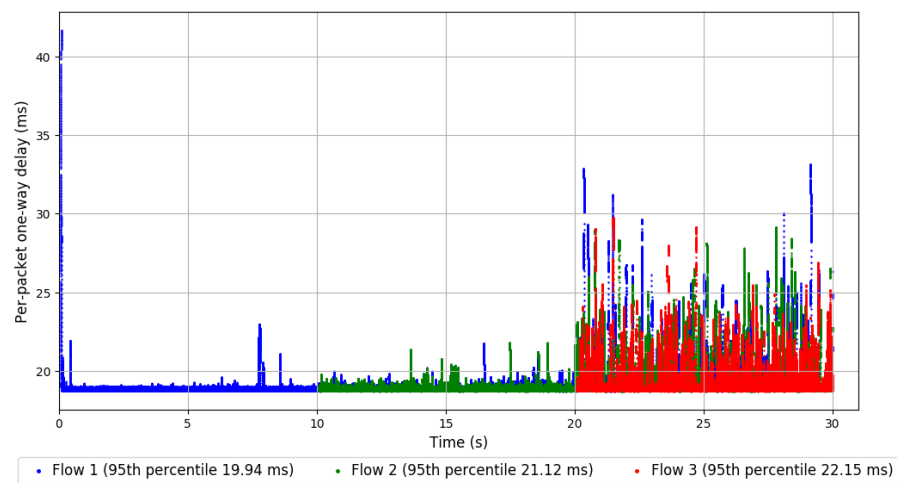
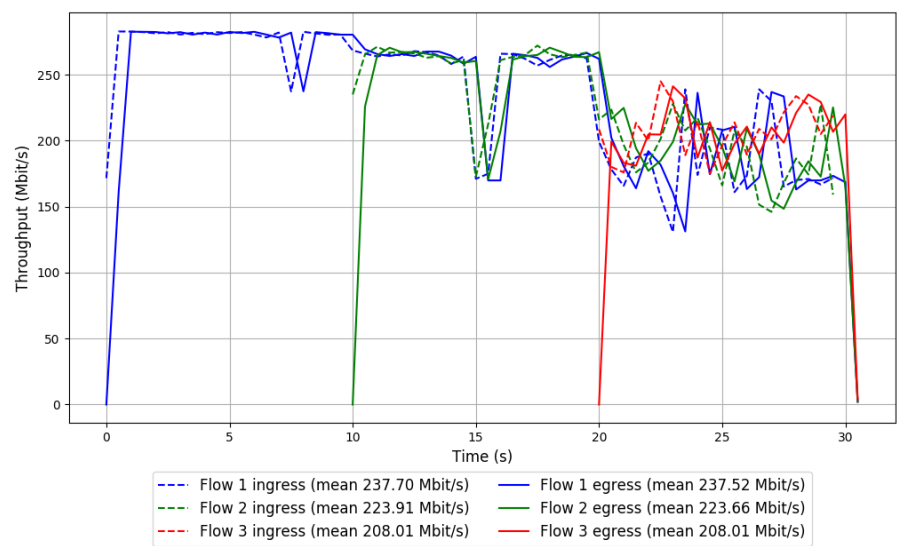
-- Flow 3:

Average throughput: 208.01 Mbit/s

95th percentile per-packet one-way delay: 22.154 ms

Loss rate: 0.01%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 06:14:36

End at: 2018-07-10 06:15:06

Local clock offset: 0.105 ms

Remote clock offset: 3.244 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 450.09 Mbit/s

95th percentile per-packet one-way delay: 20.628 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 240.46 Mbit/s

95th percentile per-packet one-way delay: 20.217 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 224.66 Mbit/s

95th percentile per-packet one-way delay: 19.895 ms

Loss rate: 0.10%

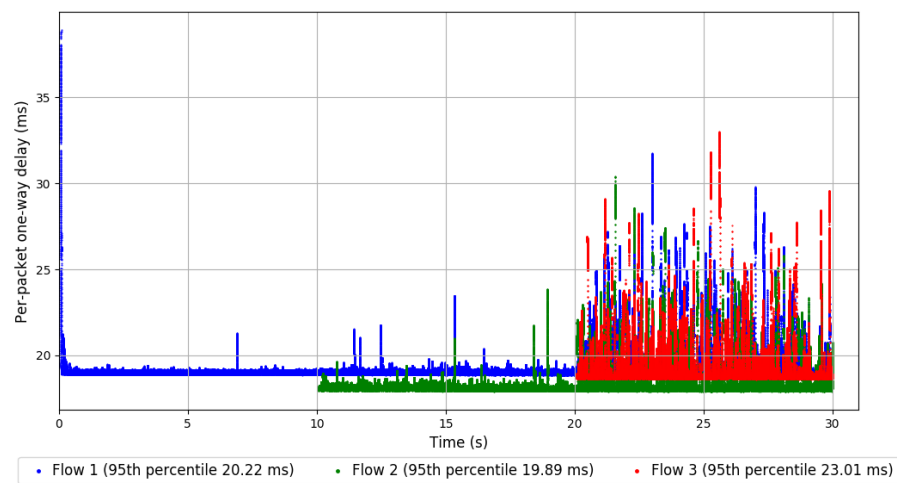
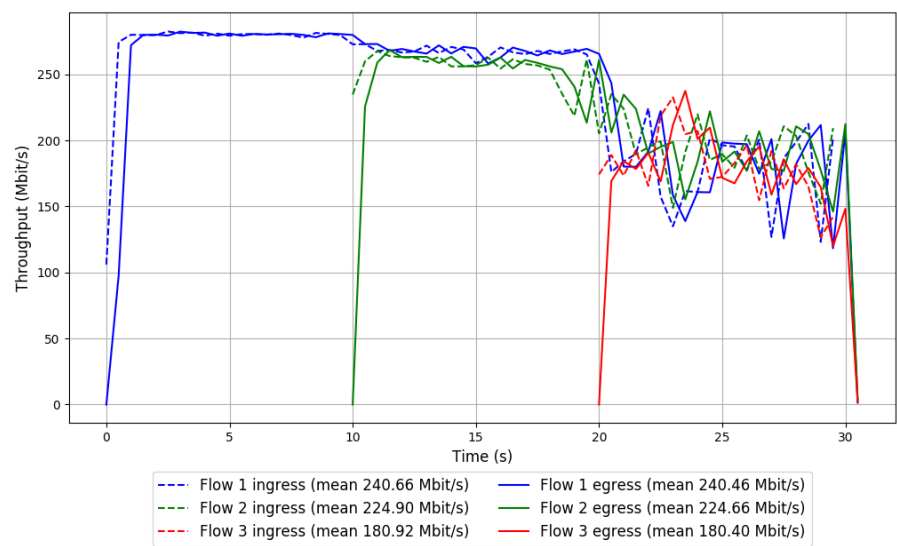
-- Flow 3:

Average throughput: 180.40 Mbit/s

95th percentile per-packet one-way delay: 23.007 ms

Loss rate: 0.30%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 06:41:50

End at: 2018-07-10 06:42:20

Local clock offset: 0.042 ms

Remote clock offset: 3.5 ms

Below is generated by plot.py at 2018-07-10 10:25:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.04 Mbit/s

95th percentile per-packet one-way delay: 21.094 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 242.16 Mbit/s

95th percentile per-packet one-way delay: 20.481 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 228.69 Mbit/s

95th percentile per-packet one-way delay: 20.378 ms

Loss rate: 0.00%

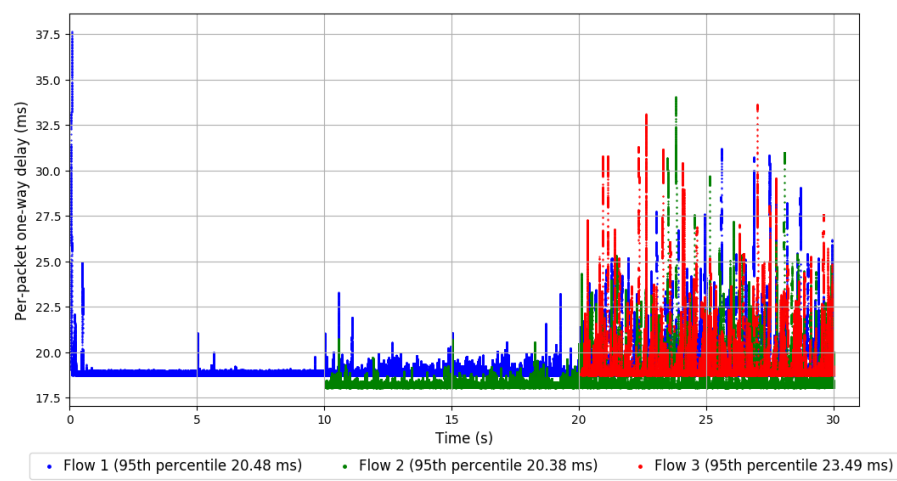
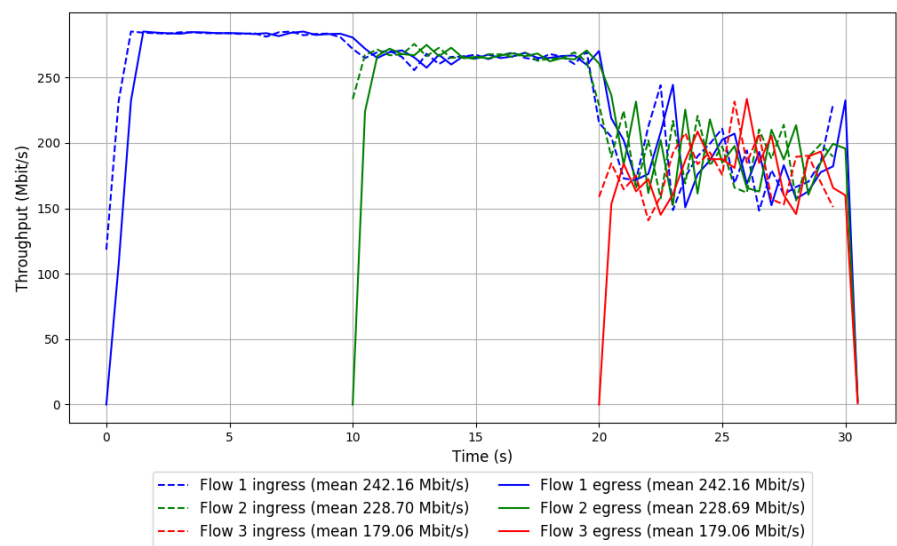
-- Flow 3:

Average throughput: 179.06 Mbit/s

95th percentile per-packet one-way delay: 23.487 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 07:09:19

End at: 2018-07-10 07:09:49

Local clock offset: 0.262 ms

Remote clock offset: 1.82 ms

Below is generated by plot.py at 2018-07-10 10:25:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.81 Mbit/s

95th percentile per-packet one-way delay: 18.948 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 75.37 Mbit/s

95th percentile per-packet one-way delay: 18.249 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 225.88 Mbit/s

95th percentile per-packet one-way delay: 18.983 ms

Loss rate: 0.00%

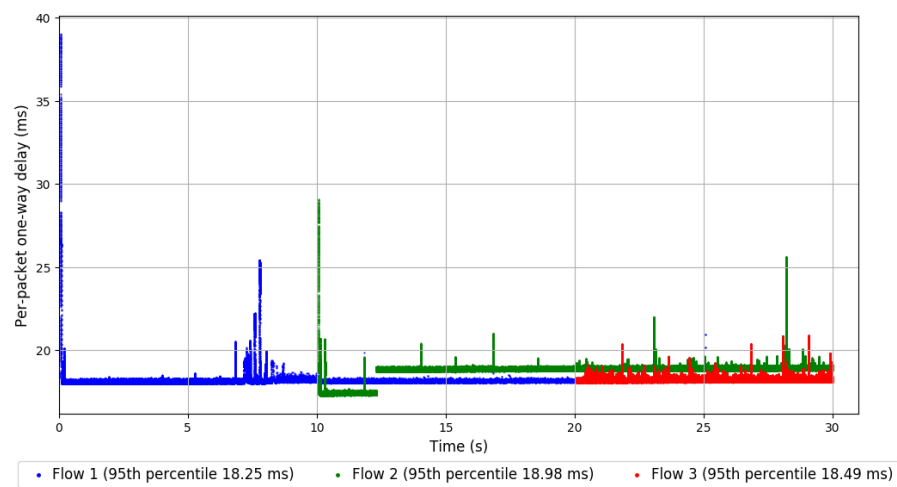
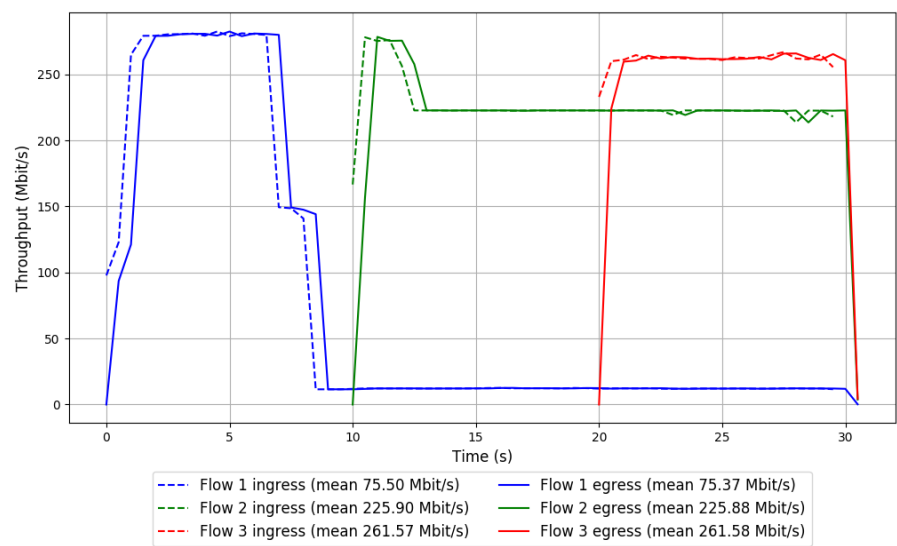
-- Flow 3:

Average throughput: 261.58 Mbit/s

95th percentile per-packet one-way delay: 18.490 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 07:36:43

End at: 2018-07-10 07:37:13

Local clock offset: 0.662 ms

Remote clock offset: -0.63 ms

Below is generated by plot.py at 2018-07-10 10:26:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.73 Mbit/s

95th percentile per-packet one-way delay: 19.013 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 81.34 Mbit/s

95th percentile per-packet one-way delay: 18.836 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 264.82 Mbit/s

95th percentile per-packet one-way delay: 18.979 ms

Loss rate: 0.01%

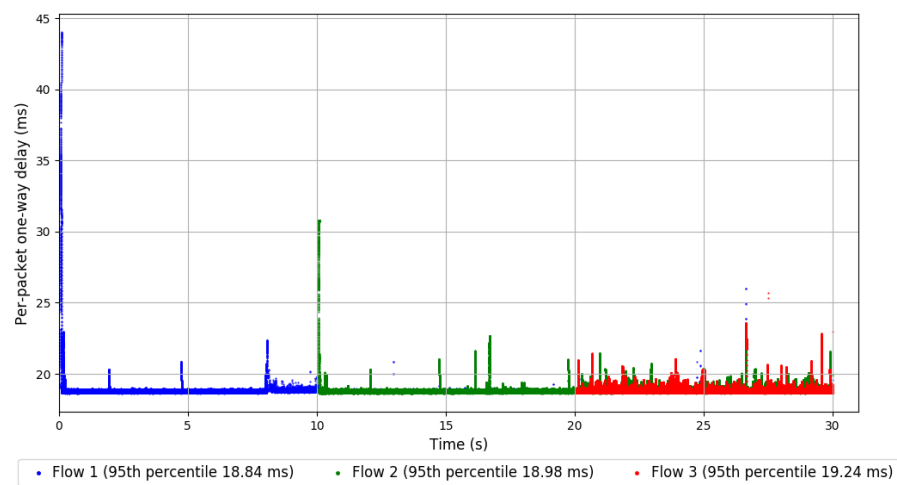
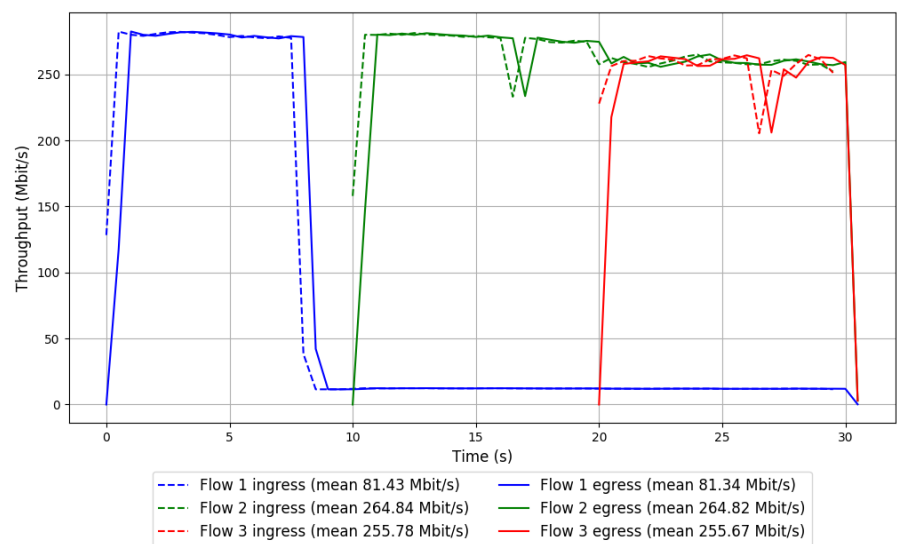
-- Flow 3:

Average throughput: 255.67 Mbit/s

95th percentile per-packet one-way delay: 19.243 ms

Loss rate: 0.01%

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

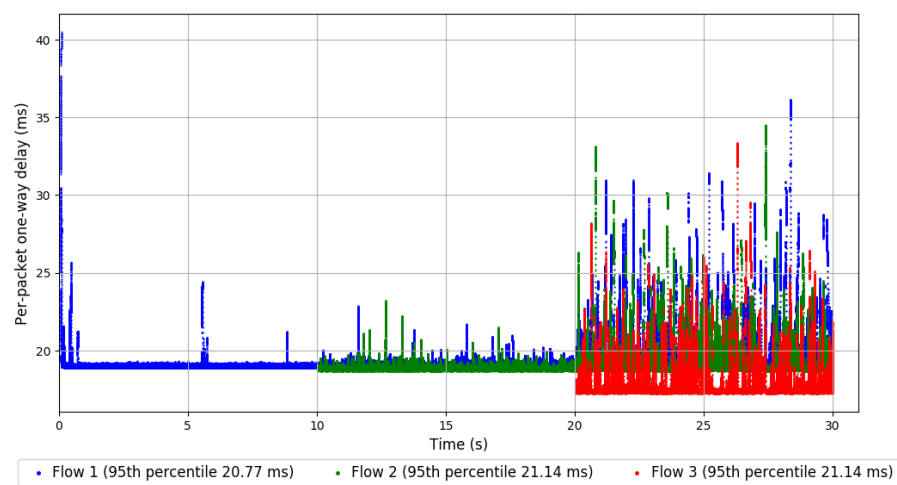
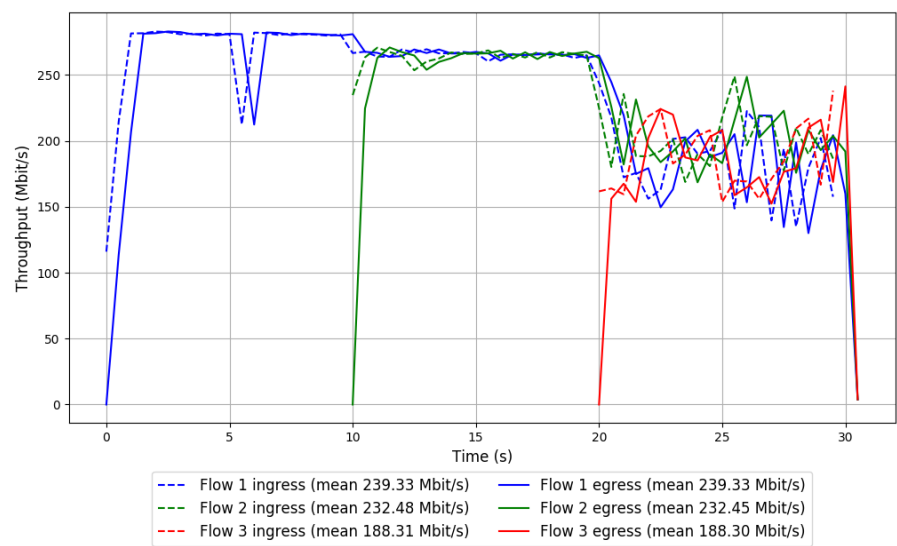


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 08:03:32
End at: 2018-07-10 08:04:02
Local clock offset: 0.712 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.74 Mbit/s
95th percentile per-packet one-way delay: 20.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.33 Mbit/s
95th percentile per-packet one-way delay: 20.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.45 Mbit/s
95th percentile per-packet one-way delay: 21.137 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 188.30 Mbit/s
95th percentile per-packet one-way delay: 21.135 ms
Loss rate: 0.00%

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

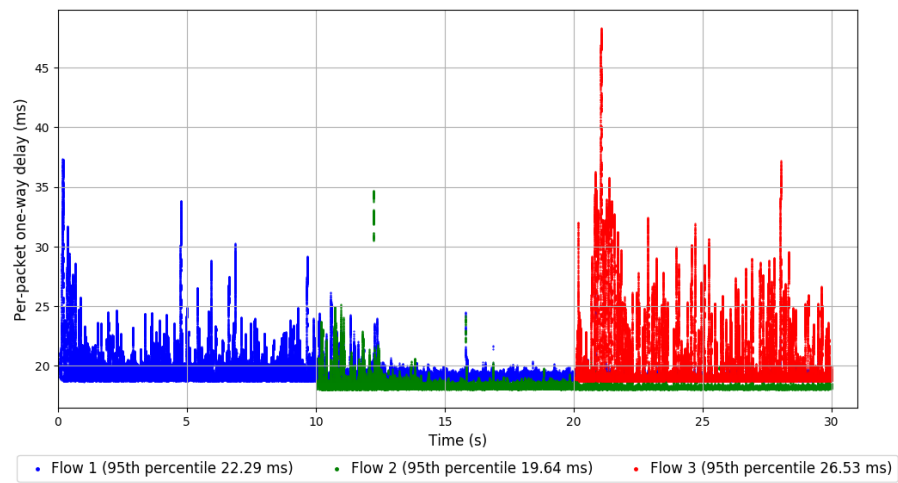
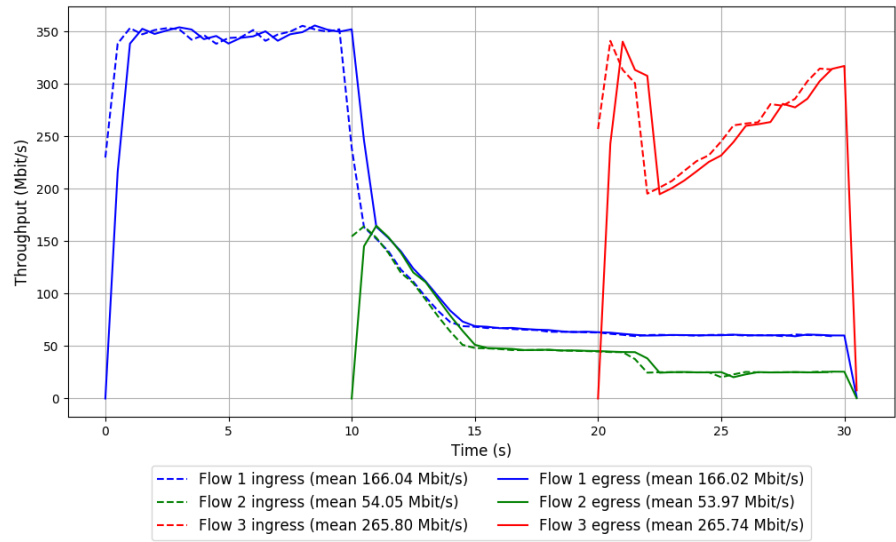


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 04:02:59
End at: 2018-07-10 04:03:29
Local clock offset: 0.211 ms
Remote clock offset: -8.408 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.32 Mbit/s
95th percentile per-packet one-way delay: 23.319 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 166.02 Mbit/s
95th percentile per-packet one-way delay: 22.286 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 265.74 Mbit/s
95th percentile per-packet one-way delay: 26.526 ms
Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link

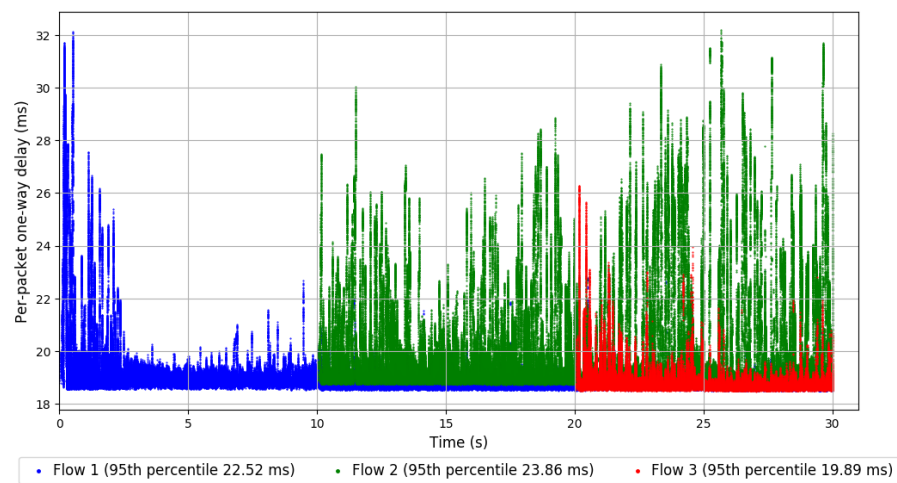
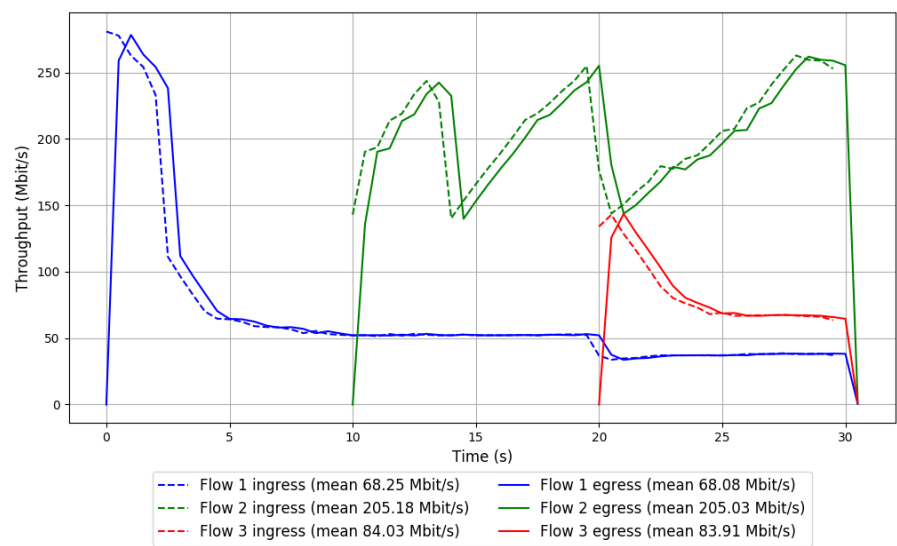


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 04:30:17
End at: 2018-07-10 04:30:47
Local clock offset: 0.011 ms
Remote clock offset: -3.016 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.68 Mbit/s
95th percentile per-packet one-way delay: 23.201 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 22.517 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 205.03 Mbit/s
95th percentile per-packet one-way delay: 23.856 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 19.888 ms
Loss rate: 0.13%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 04:57:32

End at: 2018-07-10 04:58:02

Local clock offset: -0.181 ms

Remote clock offset: 0.268 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.24 Mbit/s

95th percentile per-packet one-way delay: 22.066 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 160.57 Mbit/s

95th percentile per-packet one-way delay: 21.994 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 19.580 ms

Loss rate: 0.08%

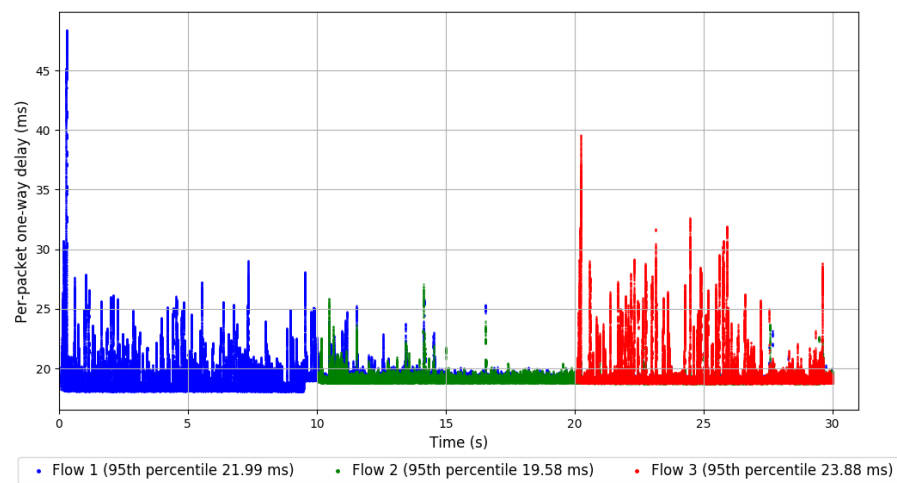
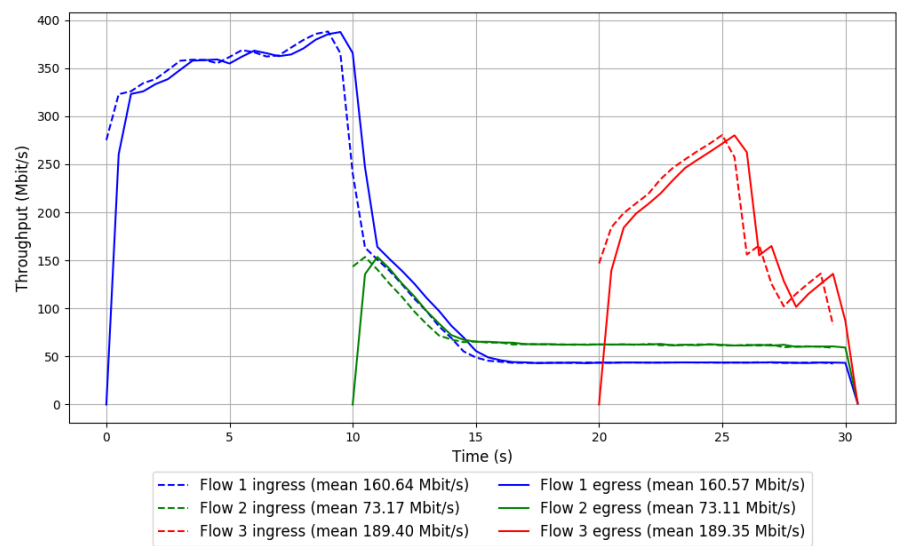
-- Flow 3:

Average throughput: 189.35 Mbit/s

95th percentile per-packet one-way delay: 23.881 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 05:24:55

End at: 2018-07-10 05:25:25

Local clock offset: -0.058 ms

Remote clock offset: 1.4 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.69 Mbit/s

95th percentile per-packet one-way delay: 19.798 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 106.71 Mbit/s

95th percentile per-packet one-way delay: 18.489 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 62.54 Mbit/s

95th percentile per-packet one-way delay: 24.380 ms

Loss rate: 0.64%

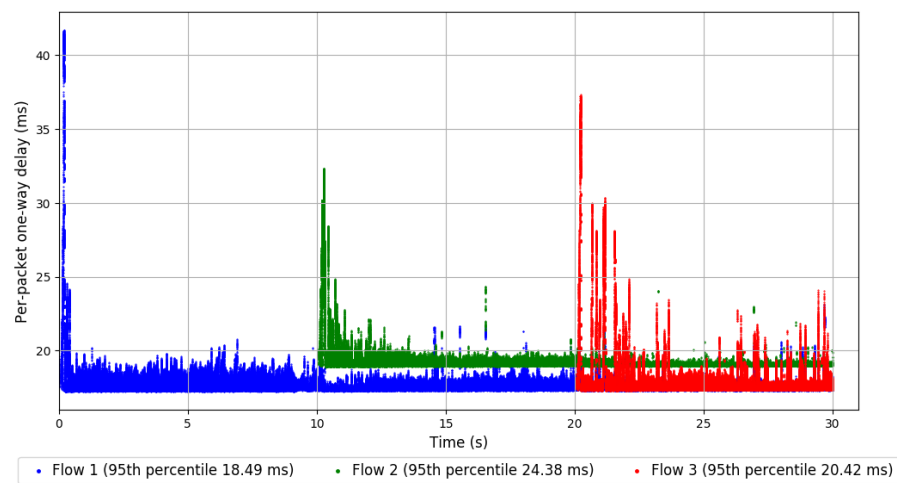
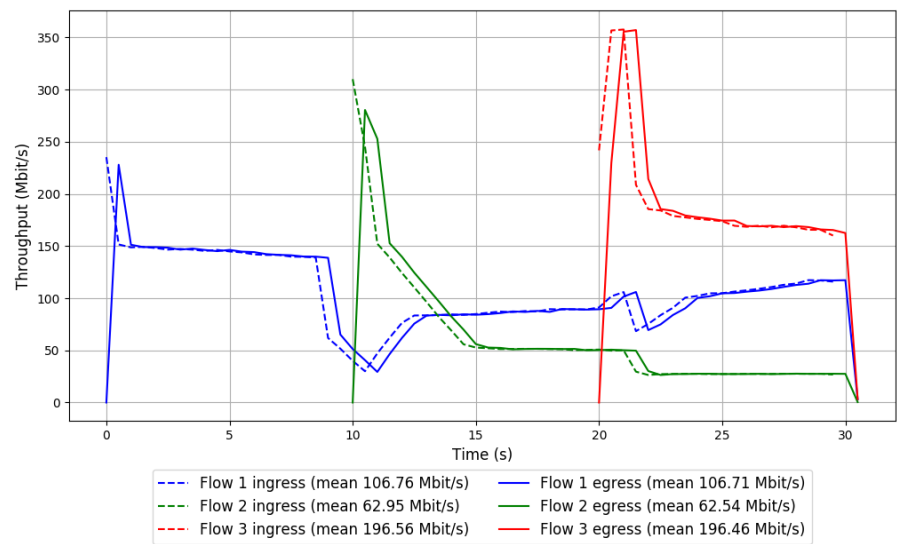
-- Flow 3:

Average throughput: 196.46 Mbit/s

95th percentile per-packet one-way delay: 20.419 ms

Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 05:52:21

End at: 2018-07-10 05:52:51

Local clock offset: -0.084 ms

Remote clock offset: 0.507 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.33 Mbit/s

95th percentile per-packet one-way delay: 23.091 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 22.007 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 216.78 Mbit/s

95th percentile per-packet one-way delay: 23.547 ms

Loss rate: 0.02%

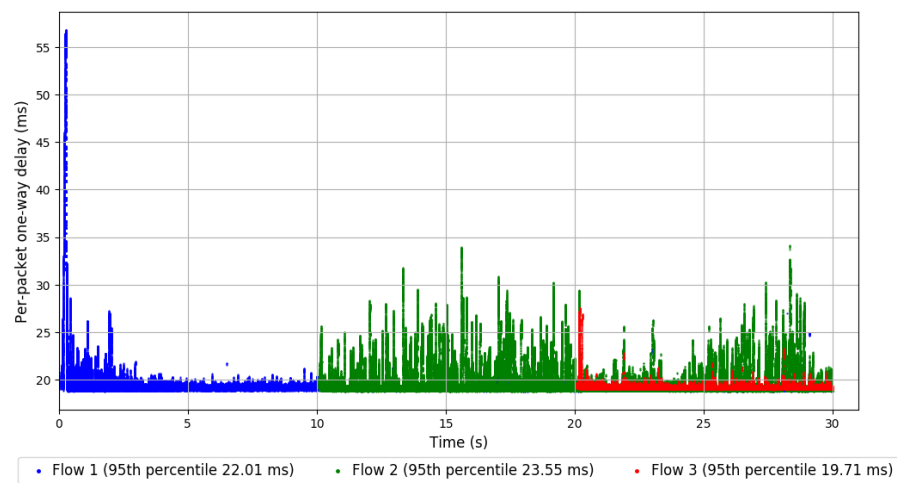
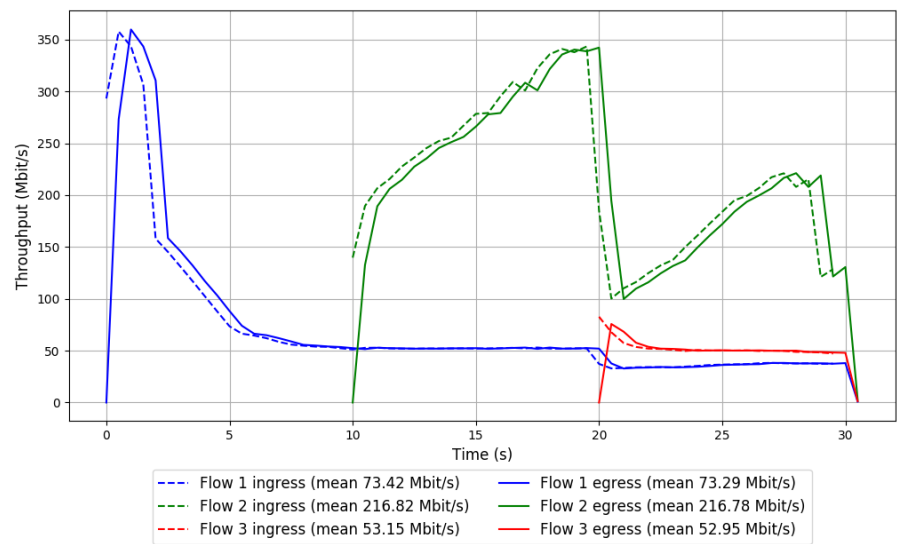
-- Flow 3:

Average throughput: 52.95 Mbit/s

95th percentile per-packet one-way delay: 19.708 ms

Loss rate: 0.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 06:19:15

End at: 2018-07-10 06:19:45

Local clock offset: 0.13 ms

Remote clock offset: 3.551 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.25 Mbit/s

95th percentile per-packet one-way delay: 22.999 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 61.29 Mbit/s

95th percentile per-packet one-way delay: 21.438 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 181.36 Mbit/s

95th percentile per-packet one-way delay: 23.560 ms

Loss rate: 0.07%

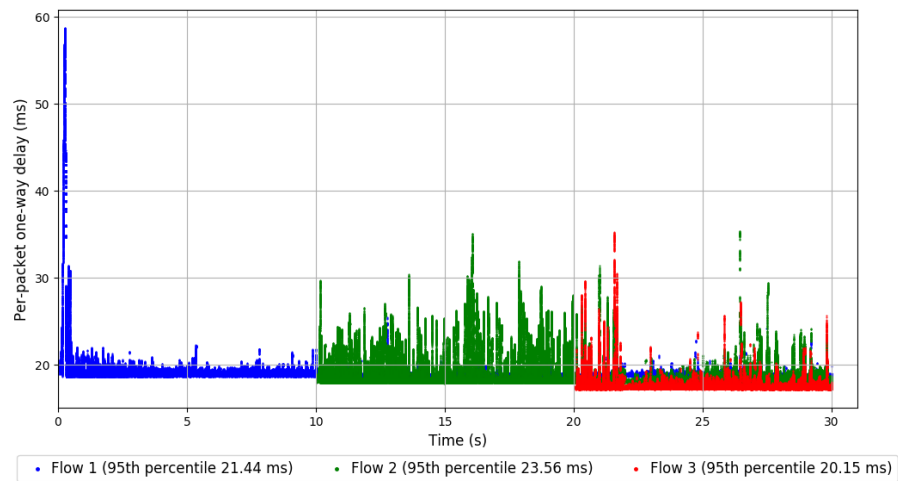
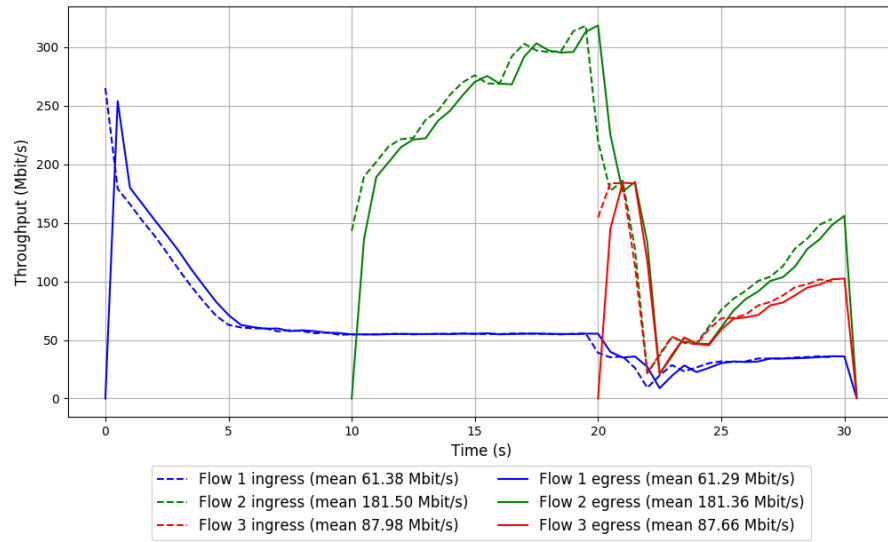
-- Flow 3:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 20.153 ms

Loss rate: 0.36%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 06:46:46

End at: 2018-07-10 06:47:16

Local clock offset: 0.15 ms

Remote clock offset: 3.506 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.73 Mbit/s

95th percentile per-packet one-way delay: 21.806 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 158.10 Mbit/s

95th percentile per-packet one-way delay: 21.421 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 104.28 Mbit/s

95th percentile per-packet one-way delay: 20.892 ms

Loss rate: 0.20%

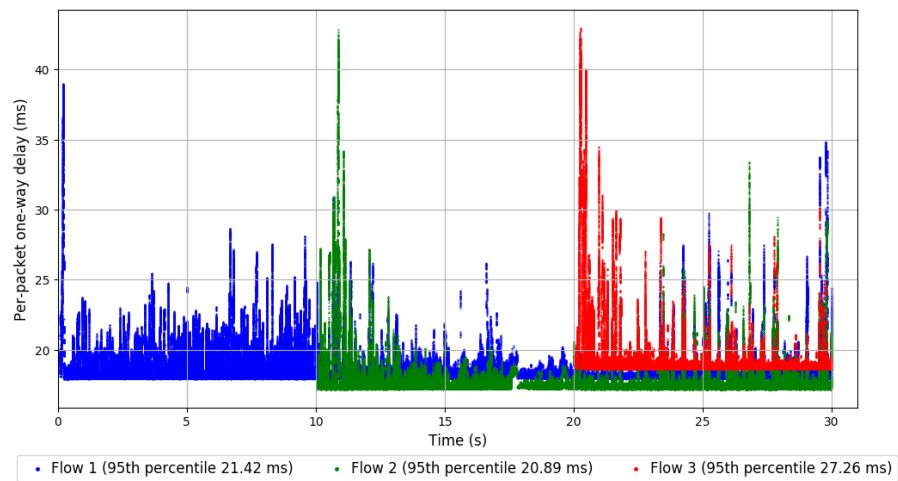
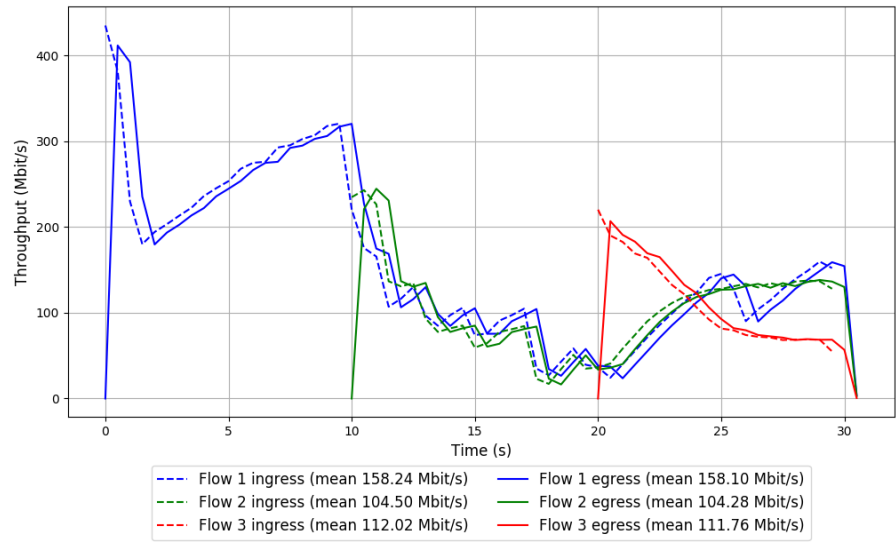
-- Flow 3:

Average throughput: 111.76 Mbit/s

95th percentile per-packet one-way delay: 27.261 ms

Loss rate: 0.23%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 07:14:05

End at: 2018-07-10 07:14:35

Local clock offset: 0.248 ms

Remote clock offset: 0.893 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.94 Mbit/s

95th percentile per-packet one-way delay: 22.362 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 215.25 Mbit/s

95th percentile per-packet one-way delay: 22.113 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 64.14 Mbit/s

95th percentile per-packet one-way delay: 20.419 ms

Loss rate: 0.10%

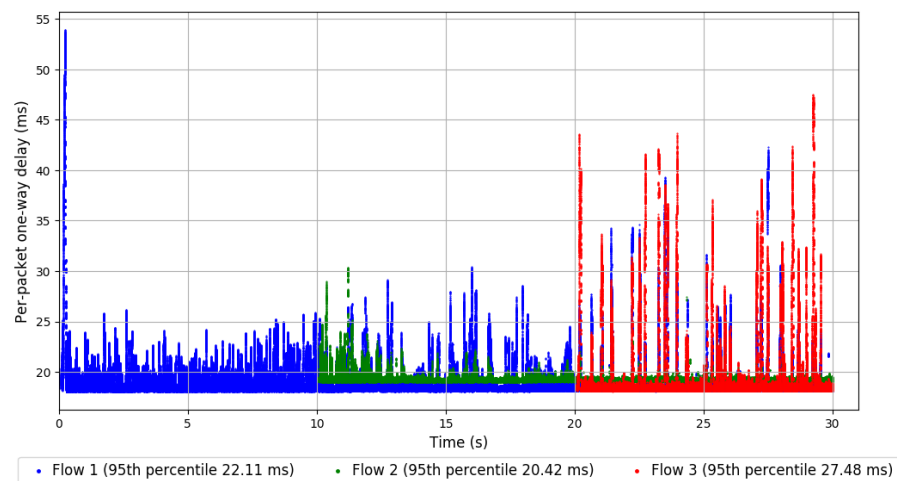
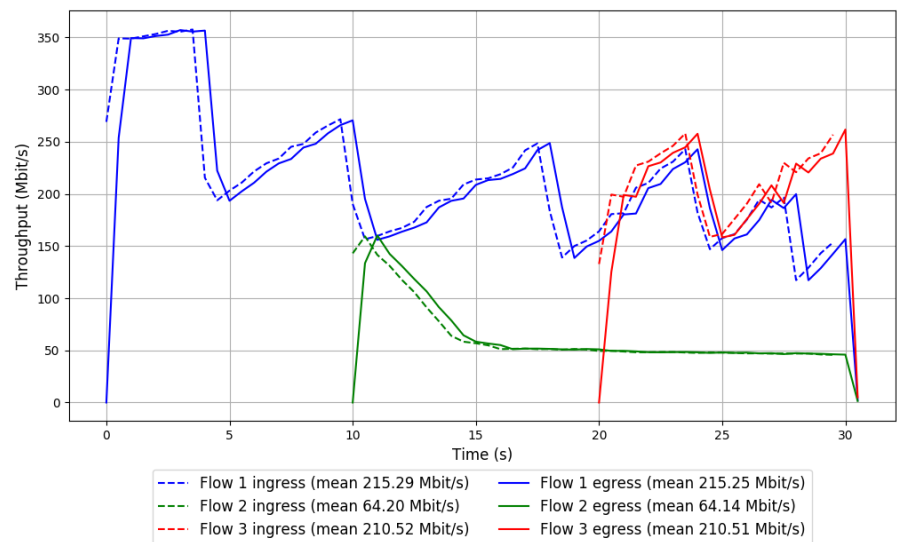
-- Flow 3:

Average throughput: 210.51 Mbit/s

95th percentile per-packet one-way delay: 27.485 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

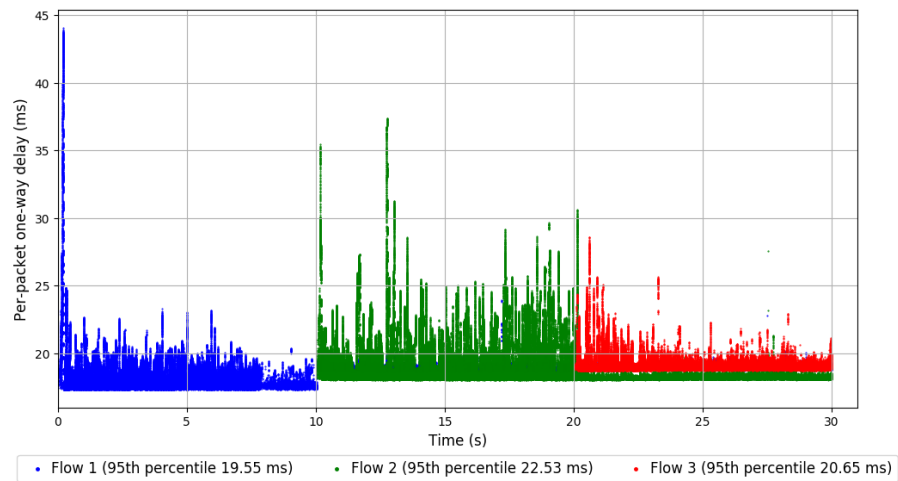
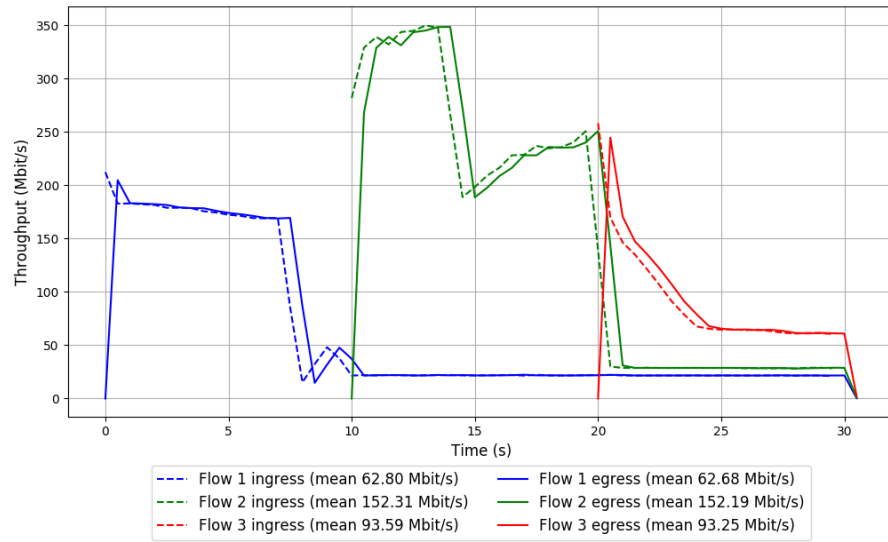


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 07:41:17
End at: 2018-07-10 07:41:47
Local clock offset: 0.608 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.04 Mbit/s
95th percentile per-packet one-way delay: 21.626 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.68 Mbit/s
95th percentile per-packet one-way delay: 19.555 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 152.19 Mbit/s
95th percentile per-packet one-way delay: 22.532 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 20.653 ms
Loss rate: 0.35%

Run 9: Report of TCP Vegas — Data Link

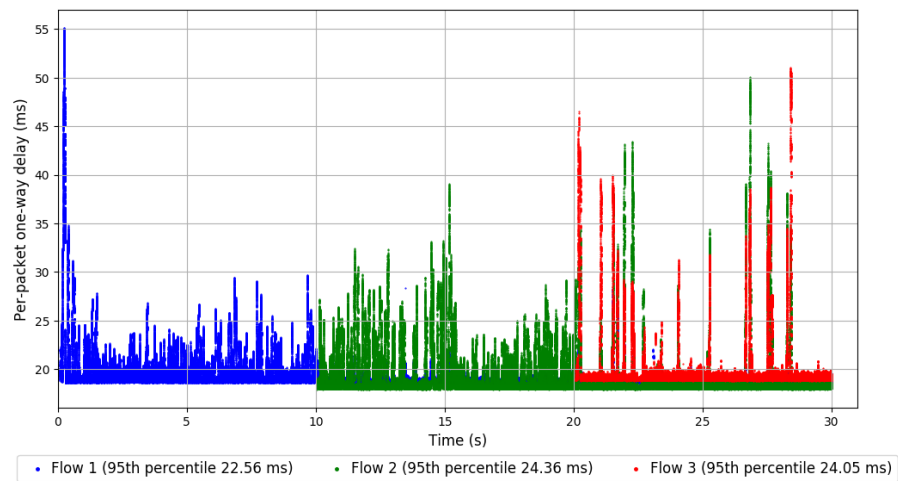
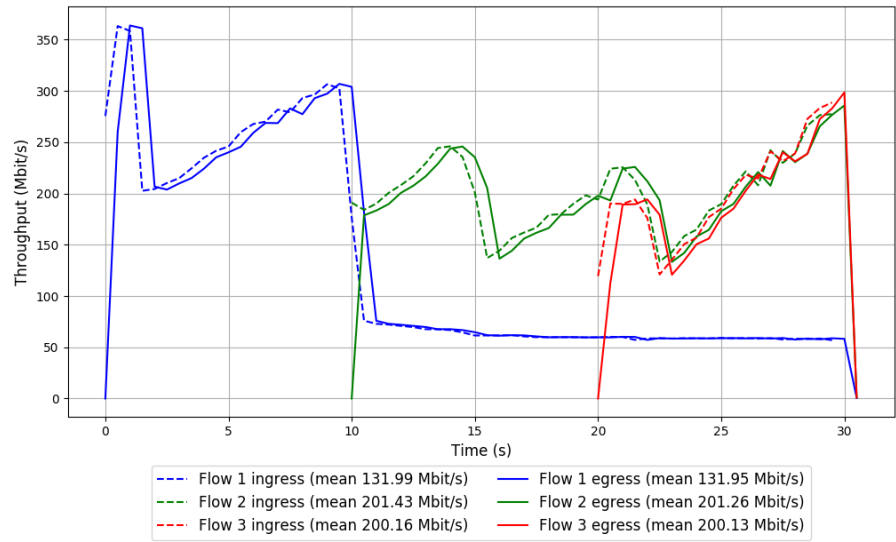


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 08:08:20
End at: 2018-07-10 08:08:50
Local clock offset: 0.725 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.51 Mbit/s
95th percentile per-packet one-way delay: 23.477 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 131.95 Mbit/s
95th percentile per-packet one-way delay: 22.562 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 201.26 Mbit/s
95th percentile per-packet one-way delay: 24.361 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 200.13 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

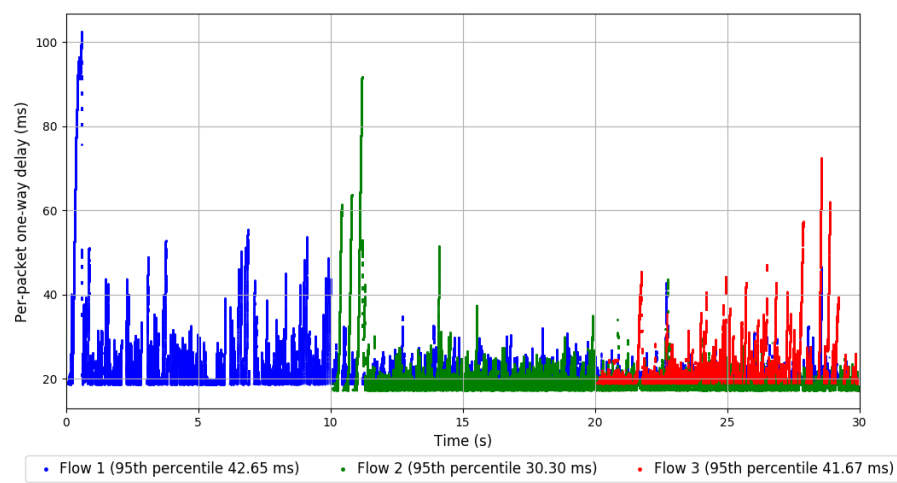
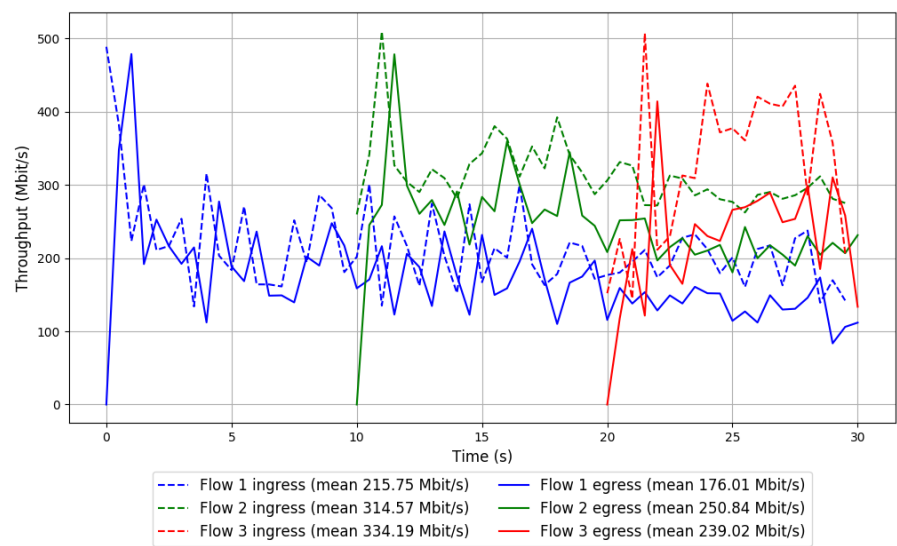


Run 1: Statistics of Verus

Start at: 2018-07-10 03:43:54
End at: 2018-07-10 03:44:24
Local clock offset: 0.579 ms
Remote clock offset: -6.782 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.29 Mbit/s
95th percentile per-packet one-way delay: 39.361 ms
Loss rate: 21.21%
-- Flow 1:
Average throughput: 176.01 Mbit/s
95th percentile per-packet one-way delay: 42.646 ms
Loss rate: 18.42%
-- Flow 2:
Average throughput: 250.84 Mbit/s
95th percentile per-packet one-way delay: 30.302 ms
Loss rate: 20.26%
-- Flow 3:
Average throughput: 239.02 Mbit/s
95th percentile per-packet one-way delay: 41.672 ms
Loss rate: 28.48%

Run 1: Report of Verus — Data Link

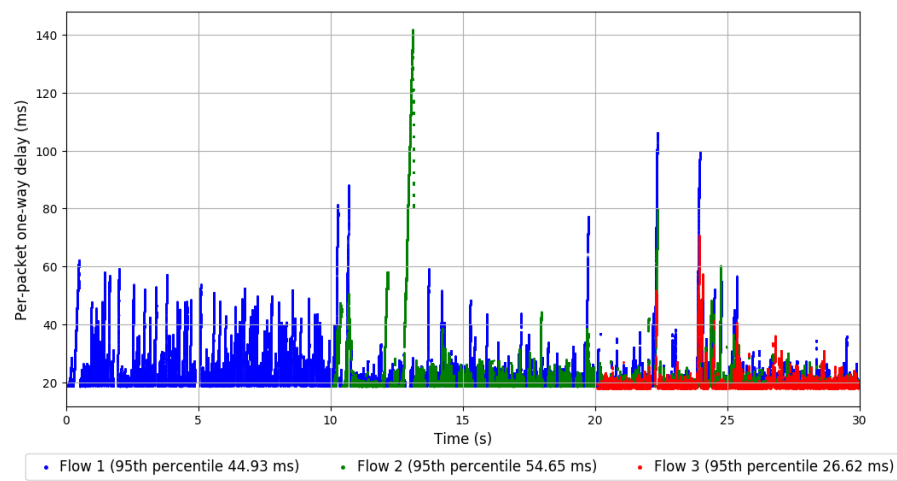
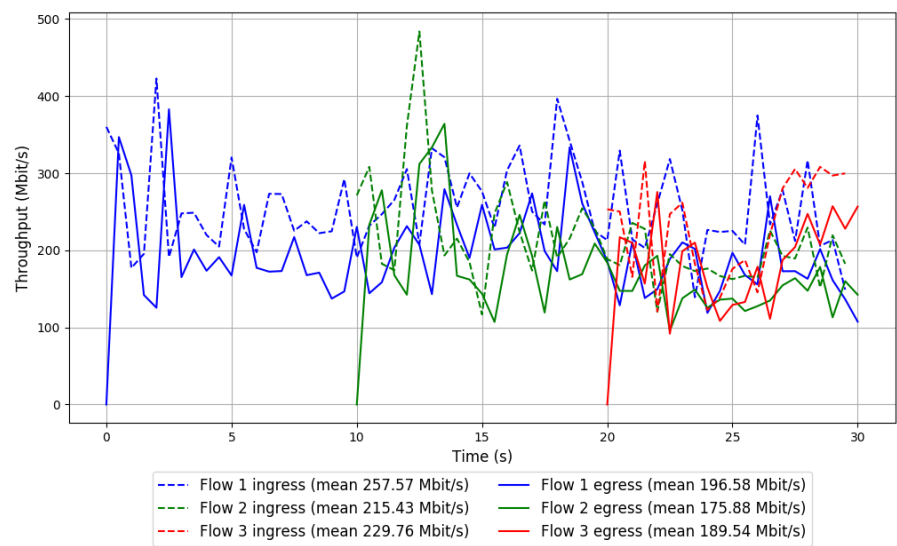


Run 2: Statistics of Verus

Start at: 2018-07-10 04:11:04
End at: 2018-07-10 04:11:34
Local clock offset: 0.219 ms
Remote clock offset: -9.011 ms

Below is generated by plot.py at 2018-07-10 10:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.45 Mbit/s
95th percentile per-packet one-way delay: 44.913 ms
Loss rate: 21.09%
-- Flow 1:
Average throughput: 196.58 Mbit/s
95th percentile per-packet one-way delay: 44.926 ms
Loss rate: 23.67%
-- Flow 2:
Average throughput: 175.88 Mbit/s
95th percentile per-packet one-way delay: 54.648 ms
Loss rate: 18.35%
-- Flow 3:
Average throughput: 189.54 Mbit/s
95th percentile per-packet one-way delay: 26.620 ms
Loss rate: 17.51%

Run 2: Report of Verus — Data Link

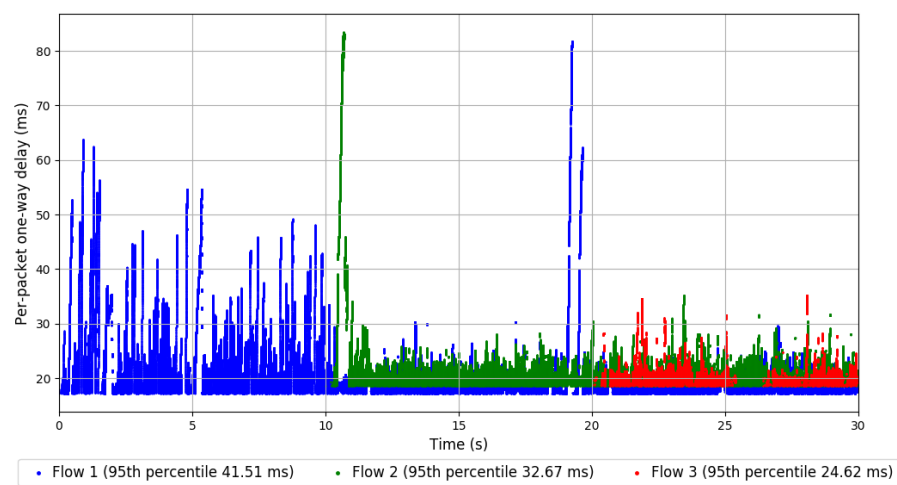
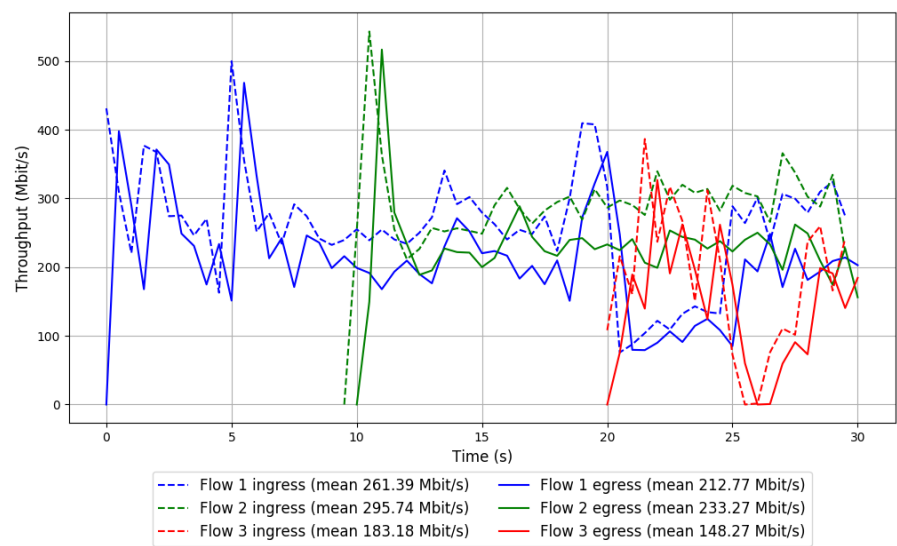


Run 3: Statistics of Verus

Start at: 2018-07-10 04:38:19
End at: 2018-07-10 04:38:49
Local clock offset: -0.085 ms
Remote clock offset: -2.226 ms

Below is generated by plot.py at 2018-07-10 10:33:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.15 Mbit/s
95th percentile per-packet one-way delay: 37.172 ms
Loss rate: 19.61%
-- Flow 1:
Average throughput: 212.77 Mbit/s
95th percentile per-packet one-way delay: 41.512 ms
Loss rate: 18.61%
-- Flow 2:
Average throughput: 233.27 Mbit/s
95th percentile per-packet one-way delay: 32.669 ms
Loss rate: 21.12%
-- Flow 3:
Average throughput: 148.27 Mbit/s
95th percentile per-packet one-way delay: 24.617 ms
Loss rate: 19.05%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-10 05:05:38

End at: 2018-07-10 05:06:08

Local clock offset: -0.05 ms

Remote clock offset: 1.041 ms

Below is generated by plot.py at 2018-07-10 10:33:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.28 Mbit/s

95th percentile per-packet one-way delay: 49.317 ms

Loss rate: 20.50%

-- Flow 1:

Average throughput: 193.49 Mbit/s

95th percentile per-packet one-way delay: 44.544 ms

Loss rate: 21.43%

-- Flow 2:

Average throughput: 158.18 Mbit/s

95th percentile per-packet one-way delay: 62.194 ms

Loss rate: 16.38%

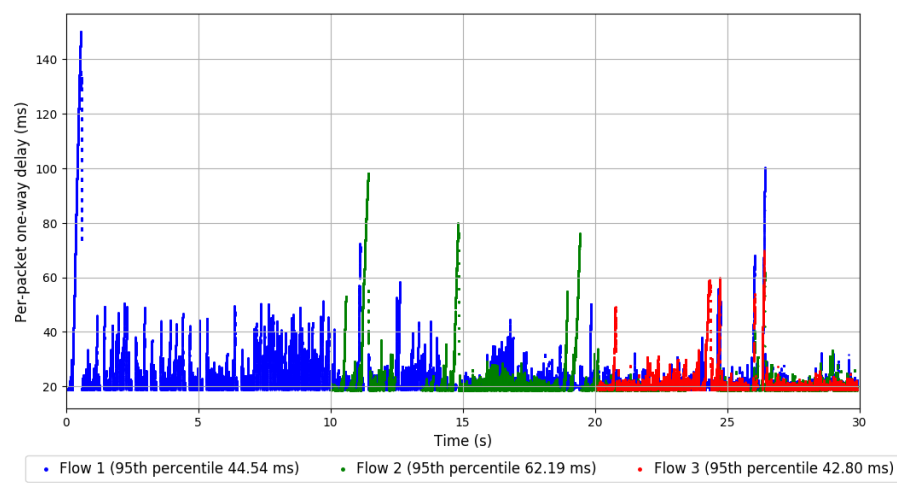
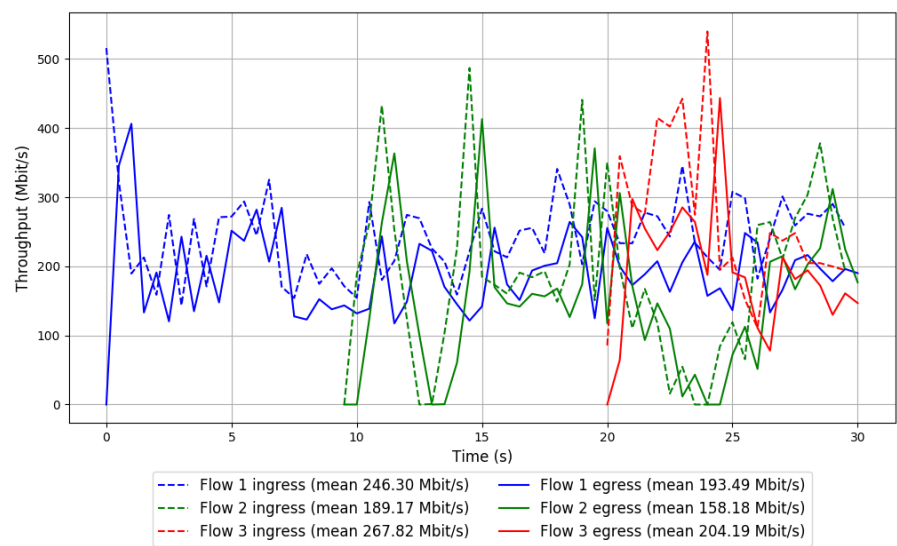
-- Flow 3:

Average throughput: 204.19 Mbit/s

95th percentile per-packet one-way delay: 42.797 ms

Loss rate: 23.75%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-10 05:32:56

End at: 2018-07-10 05:33:26

Local clock offset: -0.14 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at 2018-07-10 10:34:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.25 Mbit/s

95th percentile per-packet one-way delay: 37.967 ms

Loss rate: 23.63%

-- Flow 1:

Average throughput: 204.14 Mbit/s

95th percentile per-packet one-way delay: 40.982 ms

Loss rate: 23.19%

-- Flow 2:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 39.229 ms

Loss rate: 24.26%

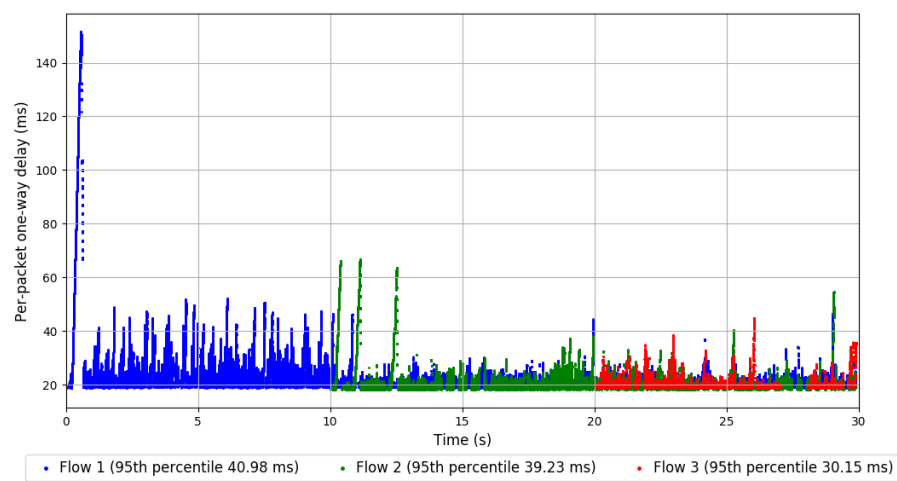
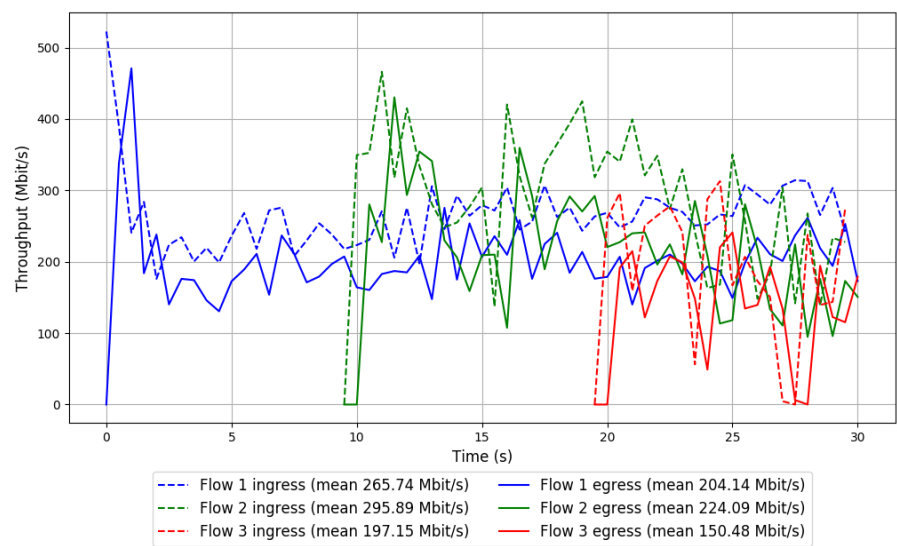
-- Flow 3:

Average throughput: 150.48 Mbit/s

95th percentile per-packet one-way delay: 30.154 ms

Loss rate: 23.54%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-10 06:00:14

End at: 2018-07-10 06:00:44

Local clock offset: 0.055 ms

Remote clock offset: 1.737 ms

Below is generated by plot.py at 2018-07-10 10:34:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.82 Mbit/s

95th percentile per-packet one-way delay: 35.517 ms

Loss rate: 25.27%

-- Flow 1:

Average throughput: 206.45 Mbit/s

95th percentile per-packet one-way delay: 41.006 ms

Loss rate: 22.10%

-- Flow 2:

Average throughput: 189.16 Mbit/s

95th percentile per-packet one-way delay: 33.416 ms

Loss rate: 29.90%

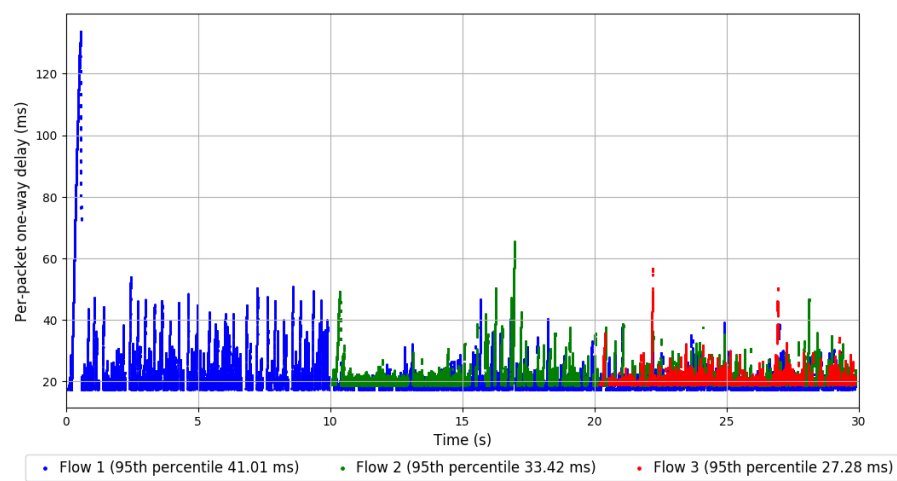
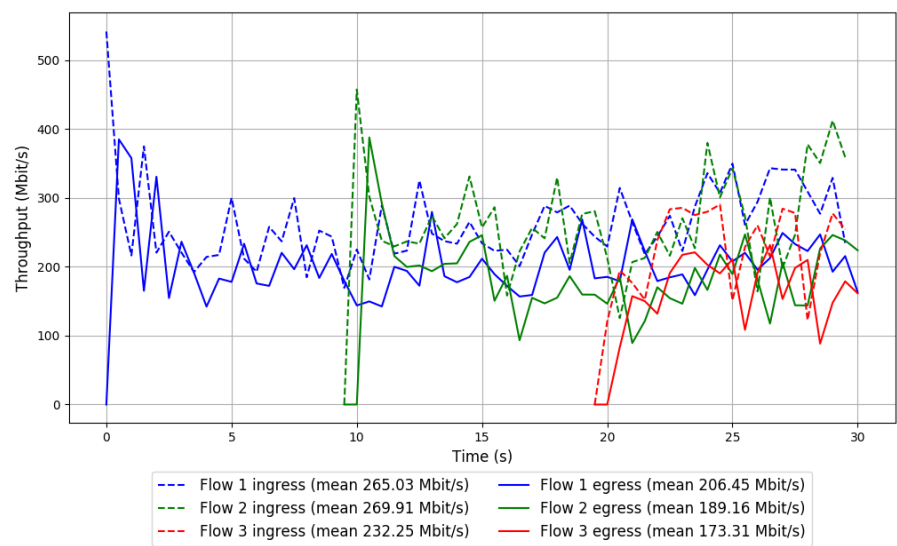
-- Flow 3:

Average throughput: 173.31 Mbit/s

95th percentile per-packet one-way delay: 27.277 ms

Loss rate: 25.37%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-10 06:27:15

End at: 2018-07-10 06:27:45

Local clock offset: 0.042 ms

Remote clock offset: 3.966 ms

Below is generated by plot.py at 2018-07-10 10:35:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.39 Mbit/s

95th percentile per-packet one-way delay: 38.183 ms

Loss rate: 29.07%

-- Flow 1:

Average throughput: 200.43 Mbit/s

95th percentile per-packet one-way delay: 41.091 ms

Loss rate: 25.81%

-- Flow 2:

Average throughput: 187.82 Mbit/s

95th percentile per-packet one-way delay: 34.796 ms

Loss rate: 29.63%

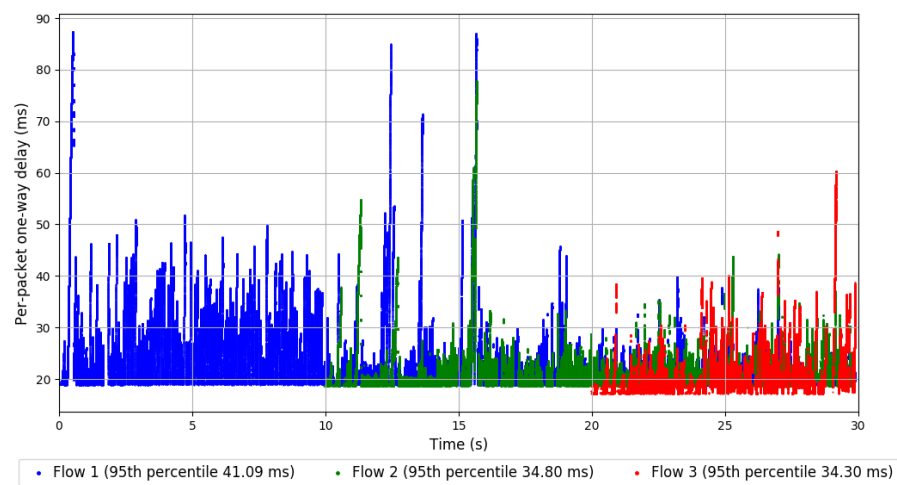
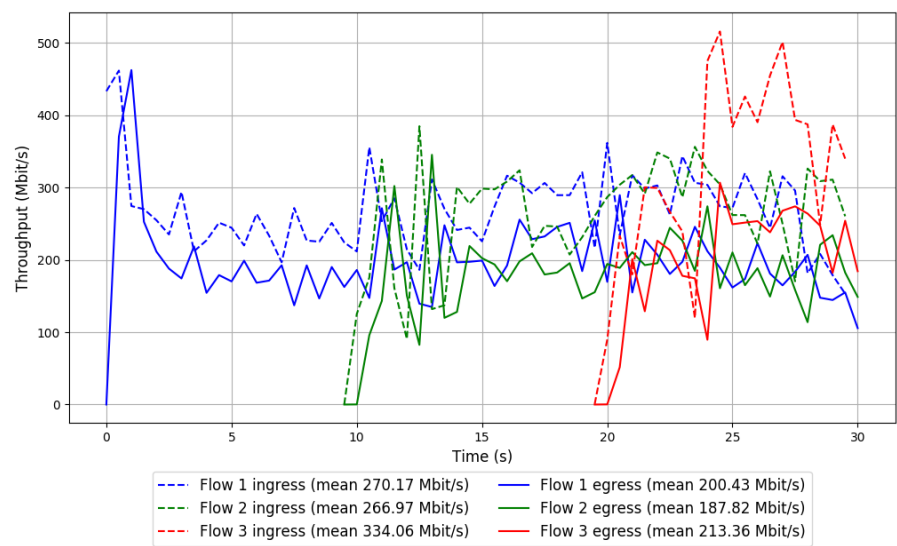
-- Flow 3:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 34.304 ms

Loss rate: 36.12%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-10 06:54:49

End at: 2018-07-10 06:55:19

Local clock offset: 0.055 ms

Remote clock offset: 3.581 ms

Below is generated by plot.py at 2018-07-10 10:36:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.17 Mbit/s

95th percentile per-packet one-way delay: 35.599 ms

Loss rate: 19.52%

-- Flow 1:

Average throughput: 230.61 Mbit/s

95th percentile per-packet one-way delay: 31.706 ms

Loss rate: 19.78%

-- Flow 2:

Average throughput: 148.06 Mbit/s

95th percentile per-packet one-way delay: 49.833 ms

Loss rate: 15.76%

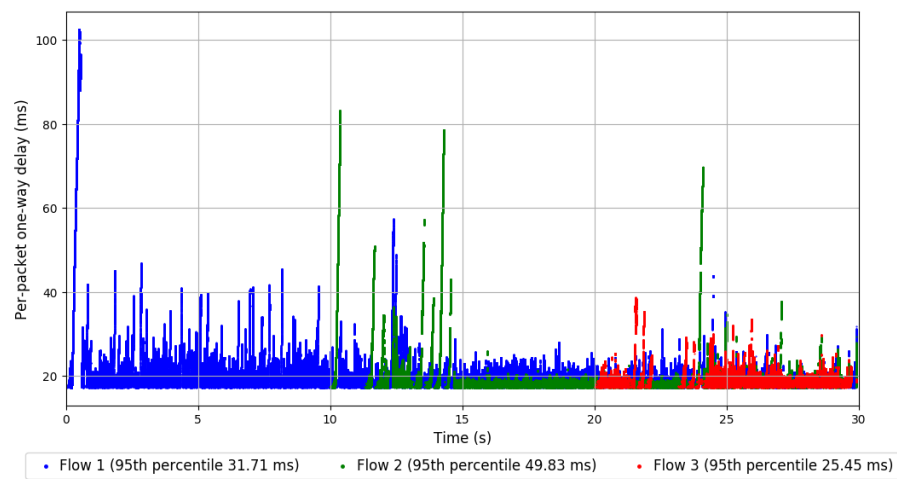
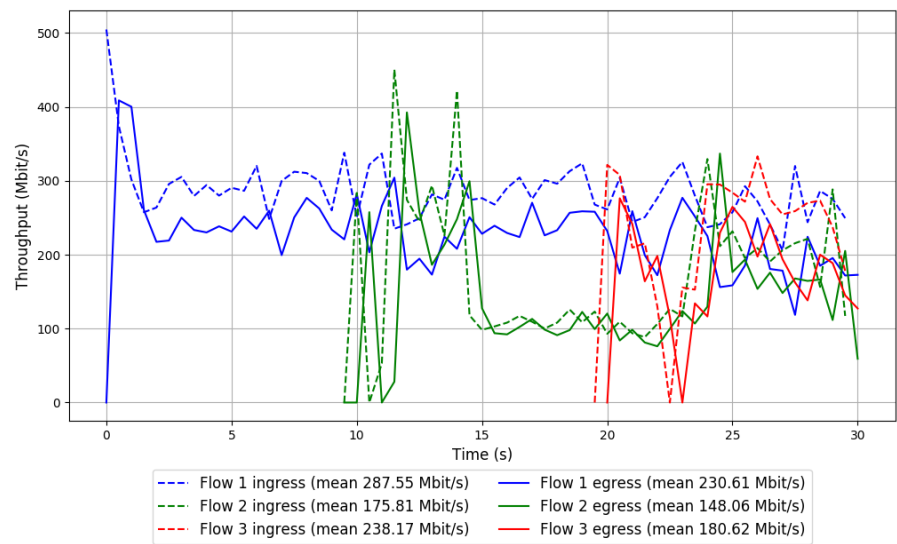
-- Flow 3:

Average throughput: 180.62 Mbit/s

95th percentile per-packet one-way delay: 25.449 ms

Loss rate: 24.15%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

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

End at: 2018-07-10 07:22:40

Local clock offset: 0.365 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-10 10:37:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 410.30 Mbit/s

95th percentile per-packet one-way delay: 30.819 ms

Loss rate: 20.90%

-- Flow 1:

Average throughput: 199.78 Mbit/s

95th percentile per-packet one-way delay: 36.199 ms

Loss rate: 21.01%

-- Flow 2:

Average throughput: 245.27 Mbit/s

95th percentile per-packet one-way delay: 29.234 ms

Loss rate: 20.99%

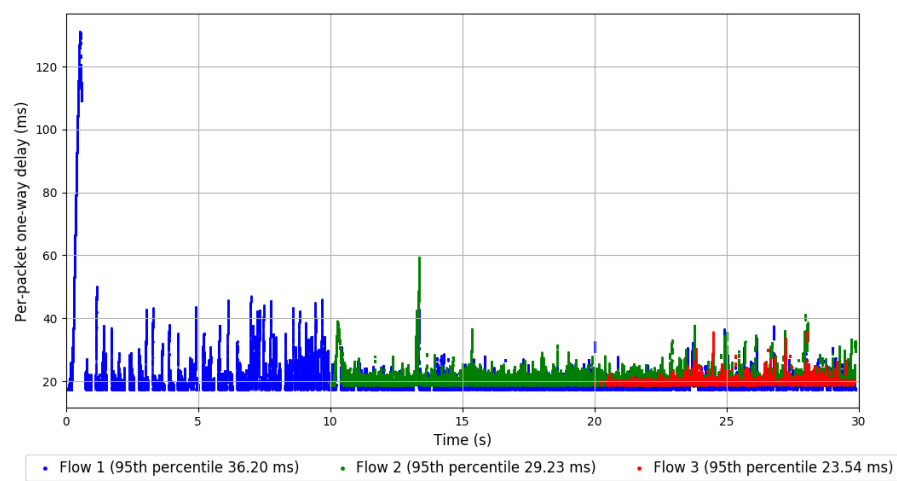
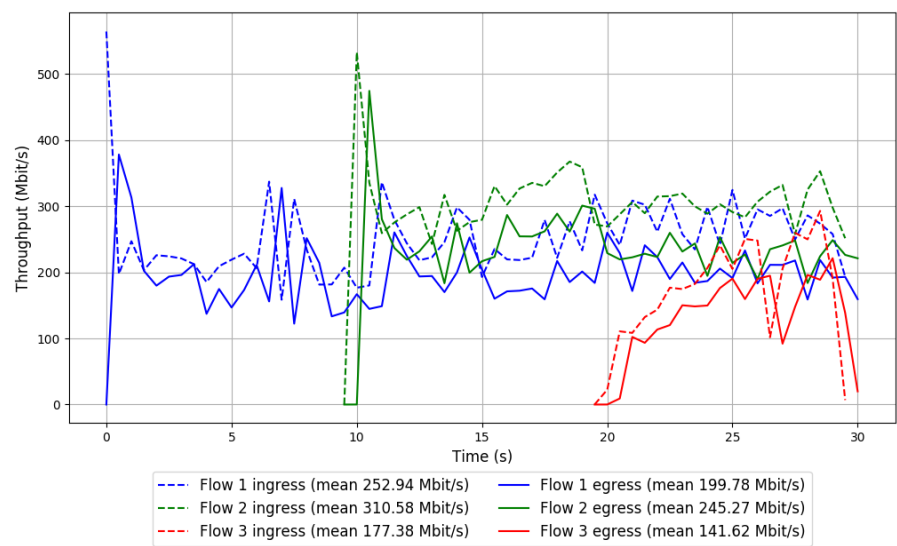
-- Flow 3:

Average throughput: 141.62 Mbit/s

95th percentile per-packet one-way delay: 23.539 ms

Loss rate: 20.15%

Run 9: Report of Verus — Data Link

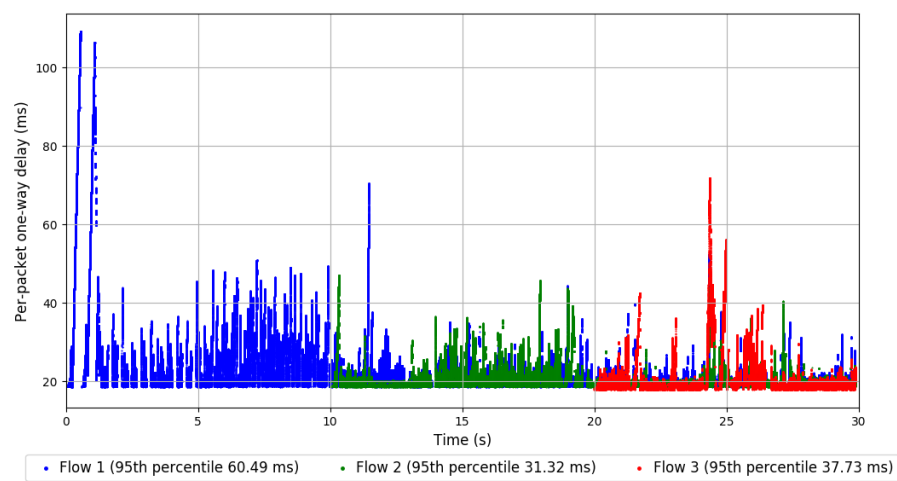
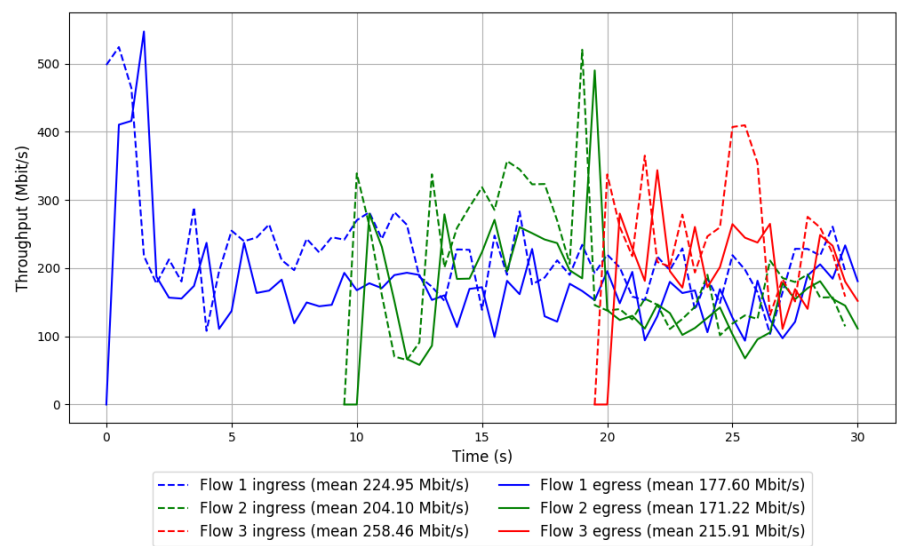


Run 10: Statistics of Verus

Start at: 2018-07-10 07:49:16
End at: 2018-07-10 07:49:46
Local clock offset: 0.736 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-07-10 10:37:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.23 Mbit/s
95th percentile per-packet one-way delay: 41.079 ms
Loss rate: 18.64%
-- Flow 1:
Average throughput: 177.60 Mbit/s
95th percentile per-packet one-way delay: 60.487 ms
Loss rate: 21.02%
-- Flow 2:
Average throughput: 171.22 Mbit/s
95th percentile per-packet one-way delay: 31.320 ms
Loss rate: 16.11%
-- Flow 3:
Average throughput: 215.91 Mbit/s
95th percentile per-packet one-way delay: 37.734 ms
Loss rate: 16.42%

Run 10: Report of Verus — Data Link

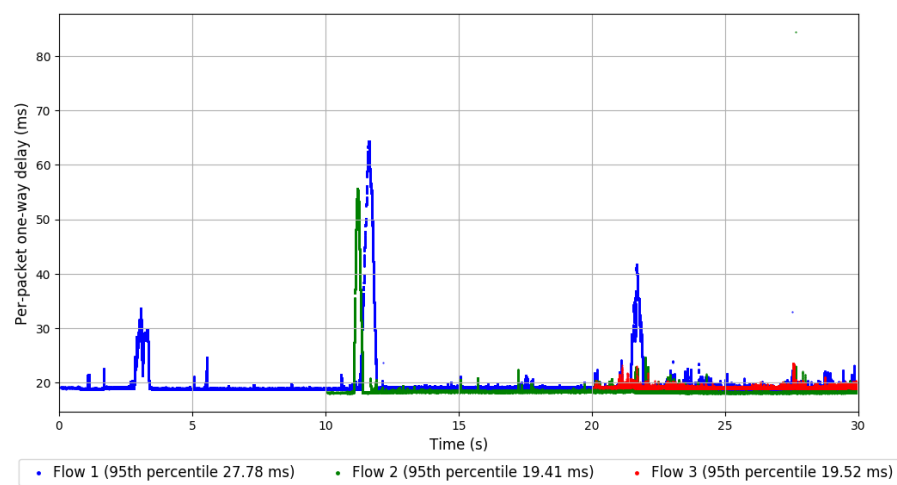
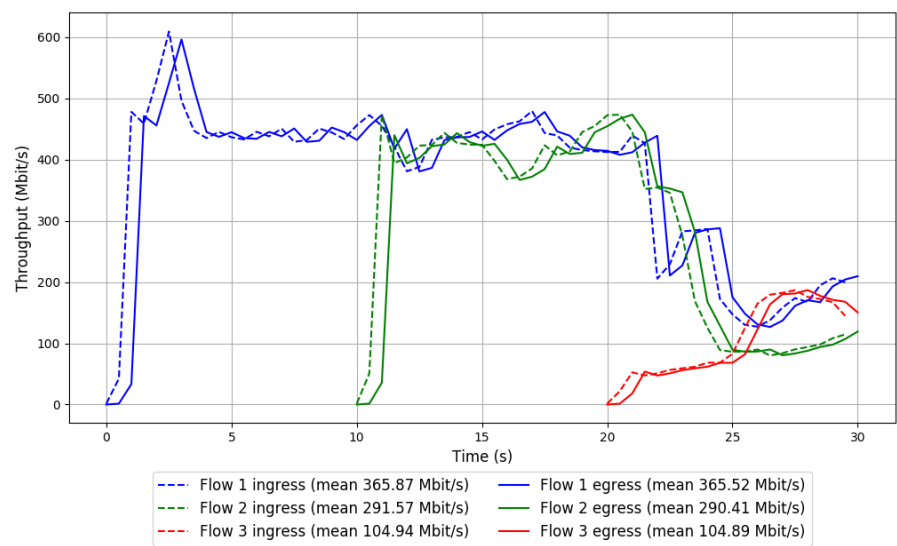


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 03:51:32
End at: 2018-07-10 03:52:02
Local clock offset: 0.458 ms
Remote clock offset: -7.423 ms

Below is generated by plot.py at 2018-07-10 10:40:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 593.29 Mbit/s
95th percentile per-packet one-way delay: 22.522 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 365.52 Mbit/s
95th percentile per-packet one-way delay: 27.780 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 290.41 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 104.89 Mbit/s
95th percentile per-packet one-way delay: 19.525 ms
Loss rate: 0.06%

Run 1: Report of PCC-Vivace — Data Link

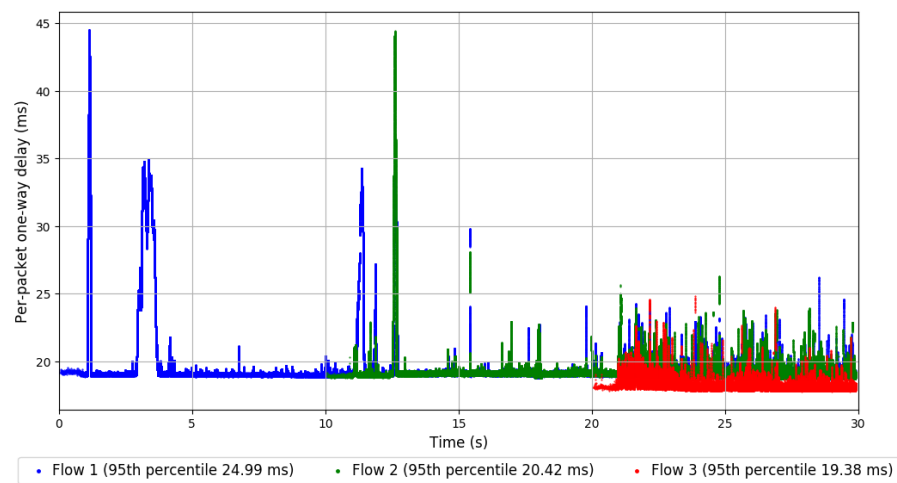
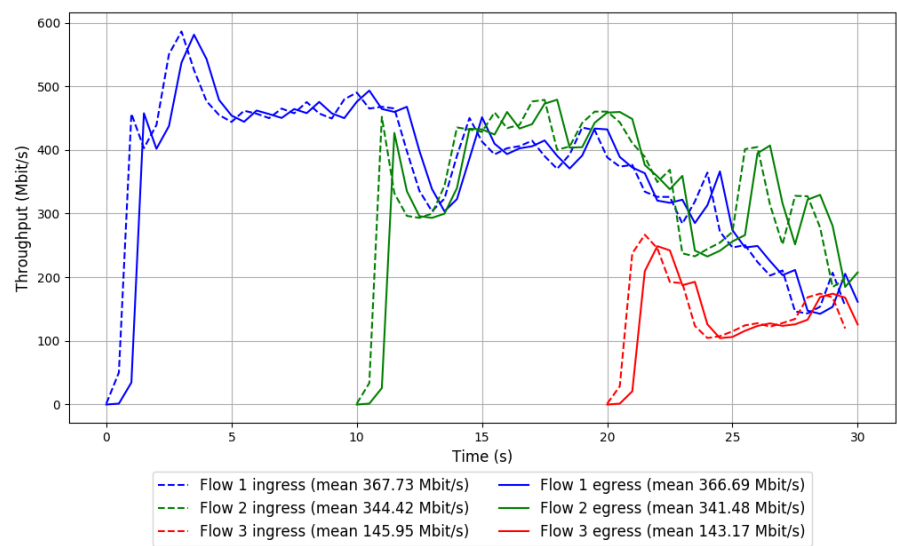


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 04:18:44
End at: 2018-07-10 04:19:14
Local clock offset: 0.036 ms
Remote clock offset: -5.605 ms

Below is generated by plot.py at 2018-07-10 10:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 641.05 Mbit/s
95th percentile per-packet one-way delay: 21.164 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 366.69 Mbit/s
95th percentile per-packet one-way delay: 24.994 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 341.48 Mbit/s
95th percentile per-packet one-way delay: 20.420 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 143.17 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 1.91%

Run 2: Report of PCC-Vivace — Data Link

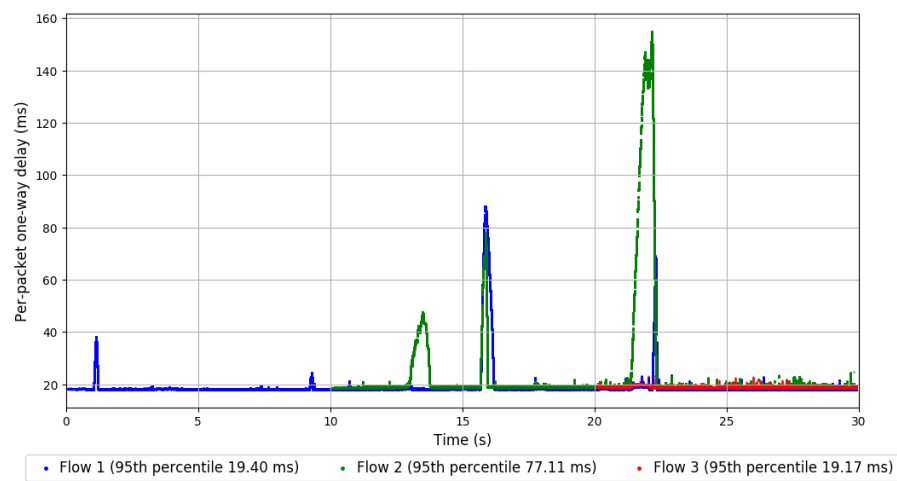
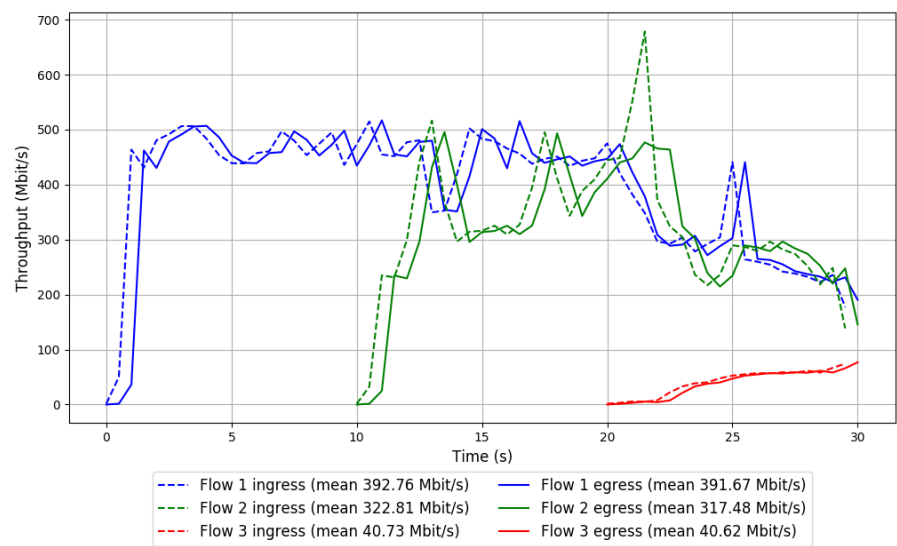


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 04:45:59
End at: 2018-07-10 04:46:29
Local clock offset: -0.17 ms
Remote clock offset: -1.753 ms

Below is generated by plot.py at 2018-07-10 10:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 616.21 Mbit/s
95th percentile per-packet one-way delay: 36.853 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 391.67 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 317.48 Mbit/s
95th percentile per-packet one-way delay: 77.110 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.28%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 05:13:21

End at: 2018-07-10 05:13:51

Local clock offset: -0.071 ms

Remote clock offset: 1.66 ms

Below is generated by plot.py at 2018-07-10 10:42:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 616.73 Mbit/s

95th percentile per-packet one-way delay: 20.181 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 340.03 Mbit/s

95th percentile per-packet one-way delay: 19.743 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 370.13 Mbit/s

95th percentile per-packet one-way delay: 21.229 ms

Loss rate: 0.30%

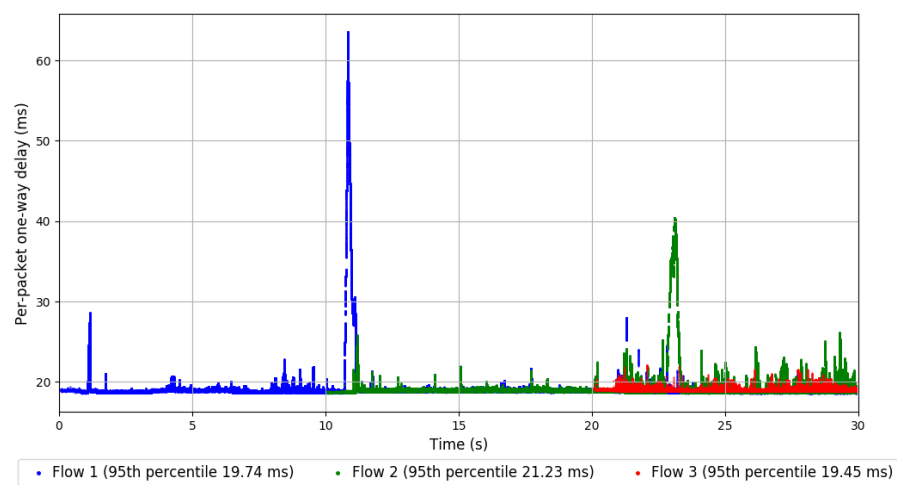
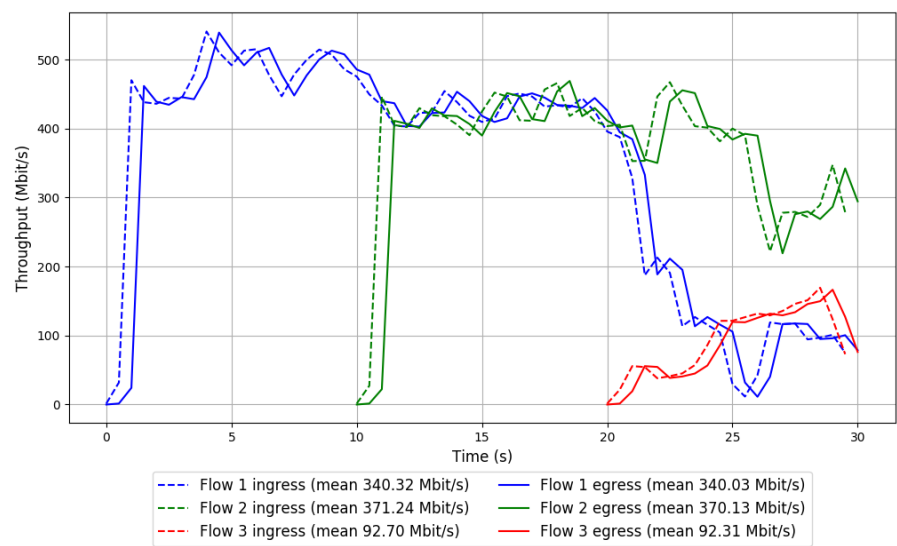
-- Flow 3:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 19.451 ms

Loss rate: 0.42%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 05:40:39

End at: 2018-07-10 05:41:09

Local clock offset: -0.044 ms

Remote clock offset: 0.459 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 598.57 Mbit/s

95th percentile per-packet one-way delay: 20.392 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 403.42 Mbit/s

95th percentile per-packet one-way delay: 21.303 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 262.29 Mbit/s

95th percentile per-packet one-way delay: 19.517 ms

Loss rate: 0.18%

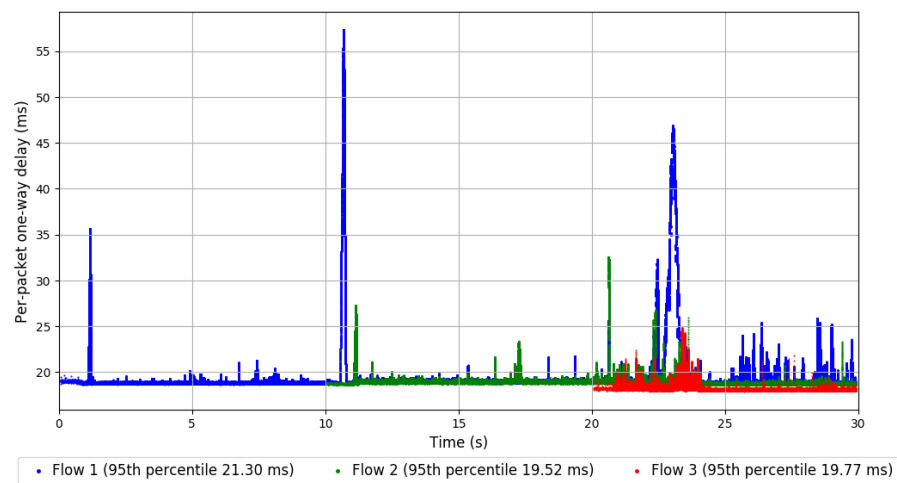
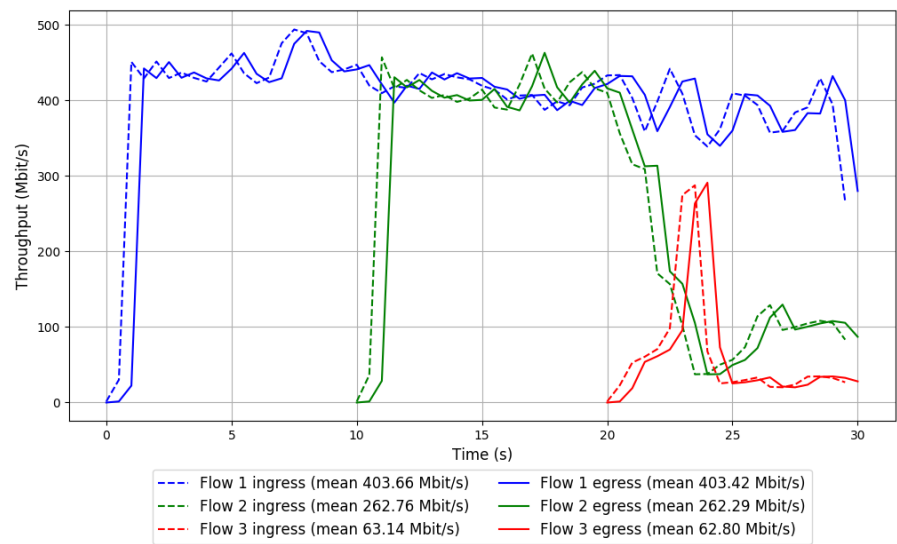
-- Flow 3:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 19.770 ms

Loss rate: 0.54%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 06:07:57

End at: 2018-07-10 06:08:27

Local clock offset: 0.105 ms

Remote clock offset: 2.739 ms

Below is generated by plot.py at 2018-07-10 10:44:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 632.50 Mbit/s

95th percentile per-packet one-way delay: 113.858 ms

Loss rate: 4.46%

-- Flow 1:

Average throughput: 365.31 Mbit/s

95th percentile per-packet one-way delay: 29.851 ms

Loss rate: 1.62%

-- Flow 2:

Average throughput: 302.11 Mbit/s

95th percentile per-packet one-way delay: 131.948 ms

Loss rate: 6.72%

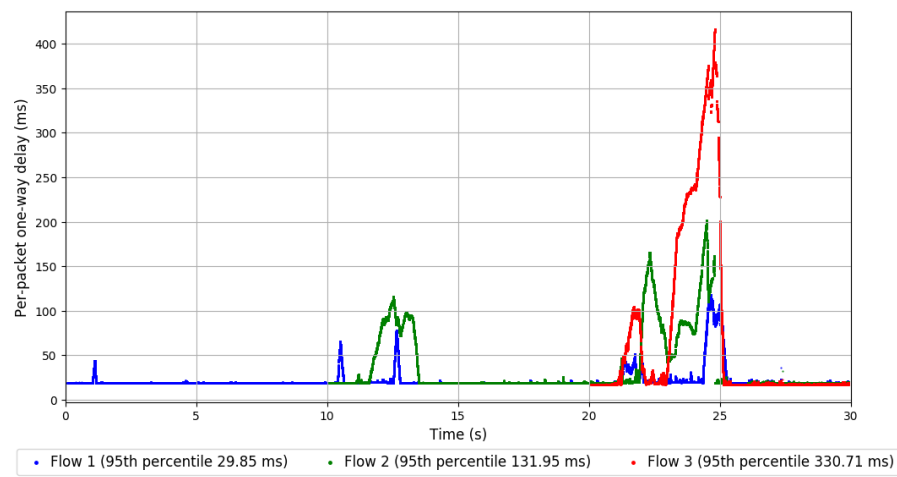
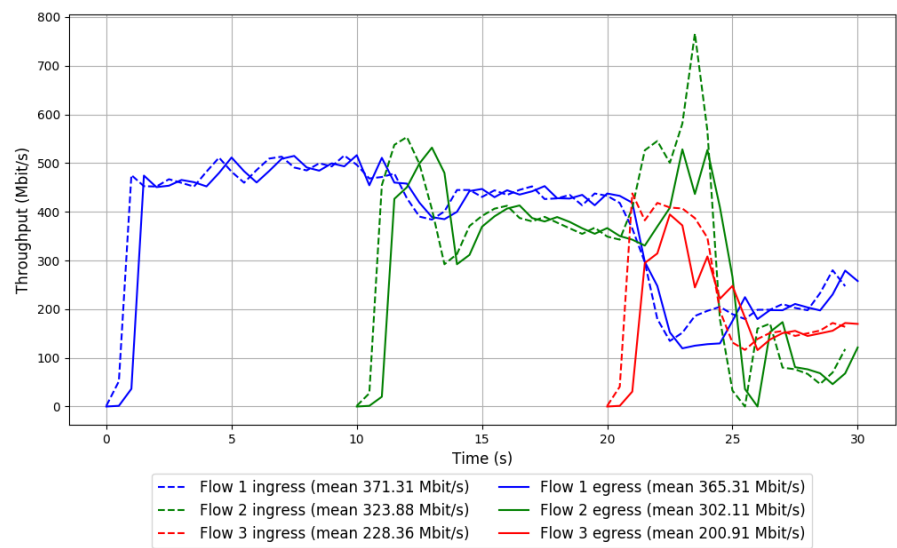
-- Flow 3:

Average throughput: 200.91 Mbit/s

95th percentile per-packet one-way delay: 330.708 ms

Loss rate: 12.01%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 06:35:03

End at: 2018-07-10 06:35:33

Local clock offset: 0.121 ms

Remote clock offset: 3.562 ms

Below is generated by plot.py at 2018-07-10 10:44:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 635.87 Mbit/s

95th percentile per-packet one-way delay: 23.382 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 370.96 Mbit/s

95th percentile per-packet one-way delay: 22.367 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 371.22 Mbit/s

95th percentile per-packet one-way delay: 24.136 ms

Loss rate: 0.29%

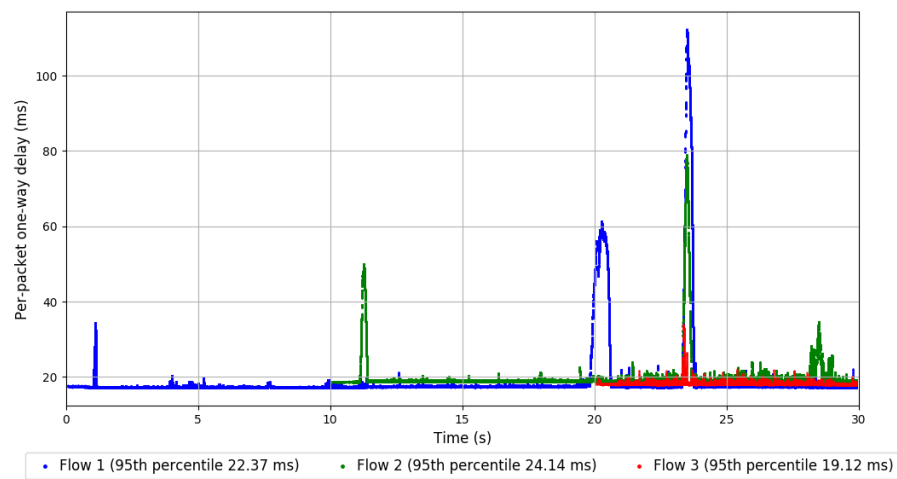
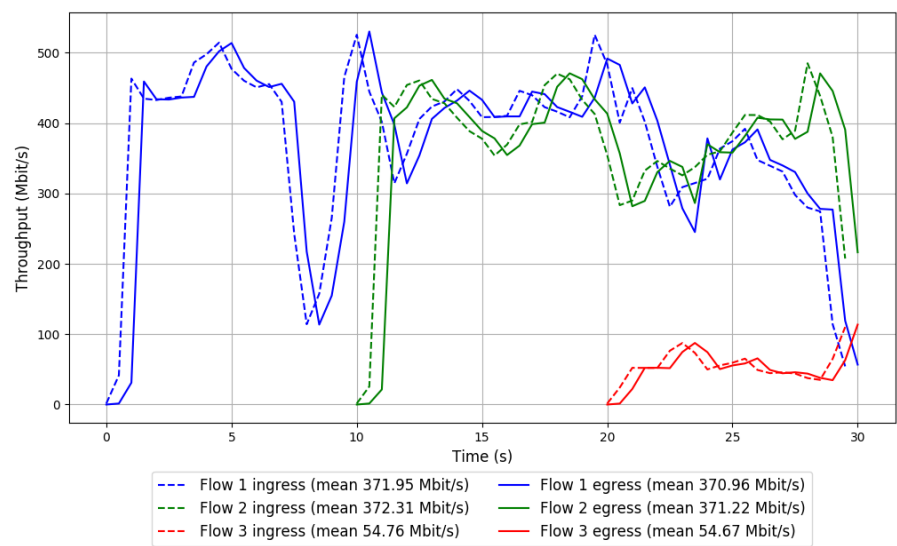
-- Flow 3:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 19.123 ms

Loss rate: 0.17%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 07:02:34

End at: 2018-07-10 07:03:04

Local clock offset: 0.181 ms

Remote clock offset: 3.859 ms

Below is generated by plot.py at 2018-07-10 10:44:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 595.02 Mbit/s

95th percentile per-packet one-way delay: 21.359 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 333.82 Mbit/s

95th percentile per-packet one-way delay: 22.851 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 294.37 Mbit/s

95th percentile per-packet one-way delay: 19.826 ms

Loss rate: 0.29%

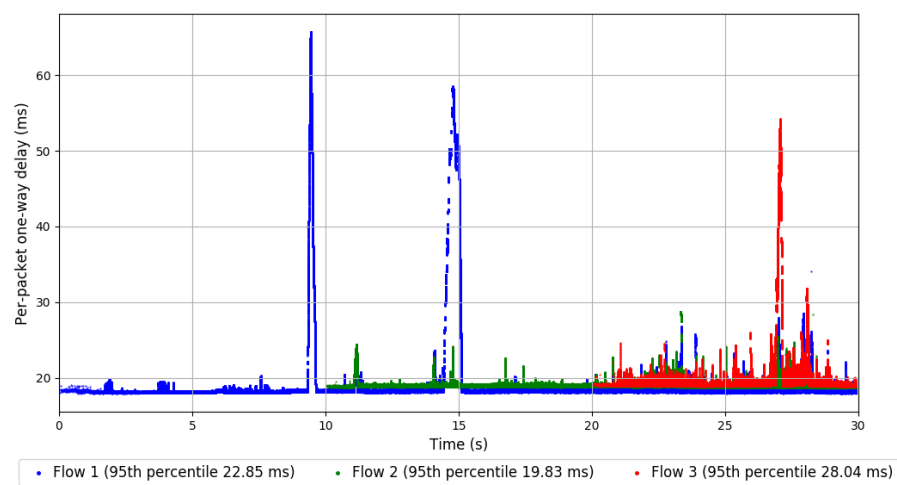
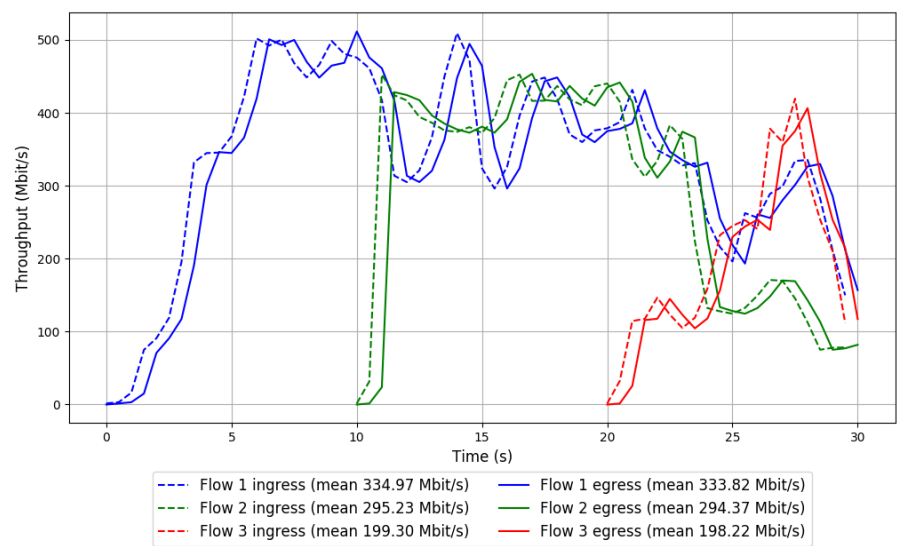
-- Flow 3:

Average throughput: 198.22 Mbit/s

95th percentile per-packet one-way delay: 28.036 ms

Loss rate: 0.54%

Run 8: Report of PCC-Vivace — Data Link

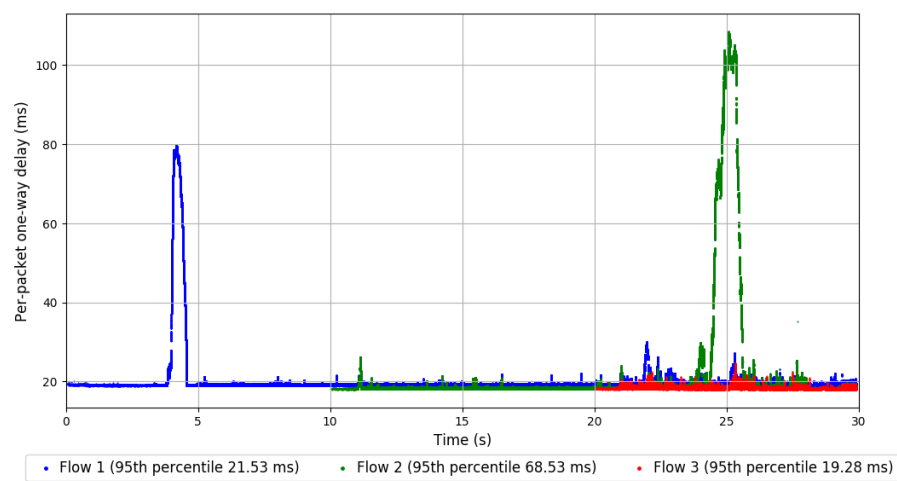
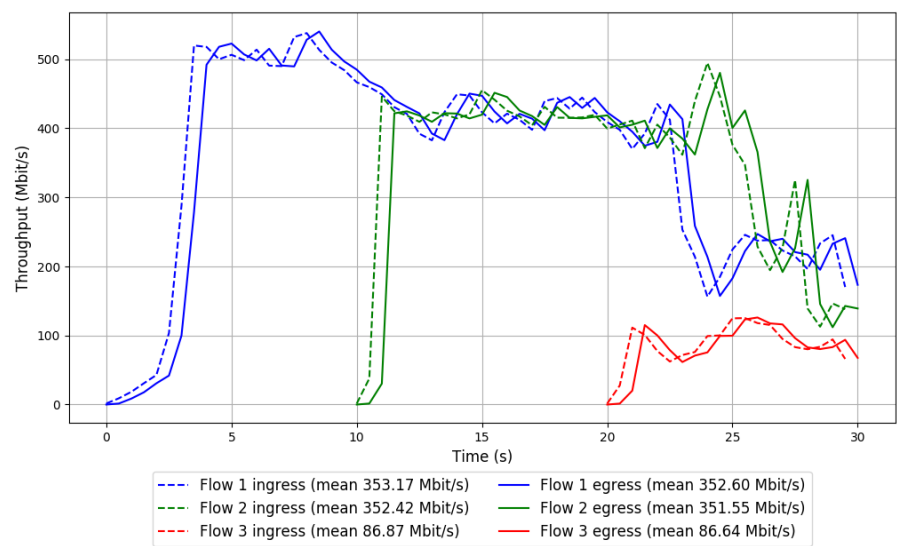


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 07:29:57
End at: 2018-07-10 07:30:27
Local clock offset: 0.591 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-10 10:45:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 615.03 Mbit/s
95th percentile per-packet one-way delay: 25.860 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 352.60 Mbit/s
95th percentile per-packet one-way delay: 21.529 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 351.55 Mbit/s
95th percentile per-packet one-way delay: 68.535 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 19.276 ms
Loss rate: 0.26%

Run 9: Report of PCC-Vivace — Data Link

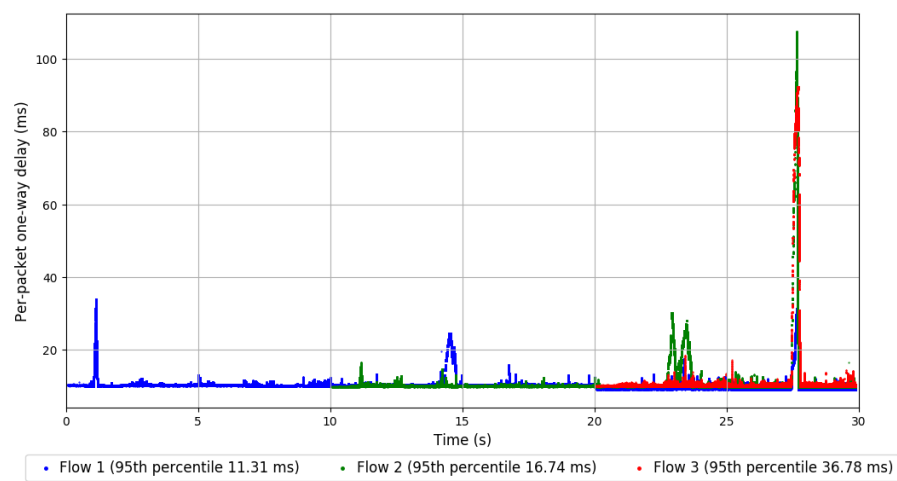
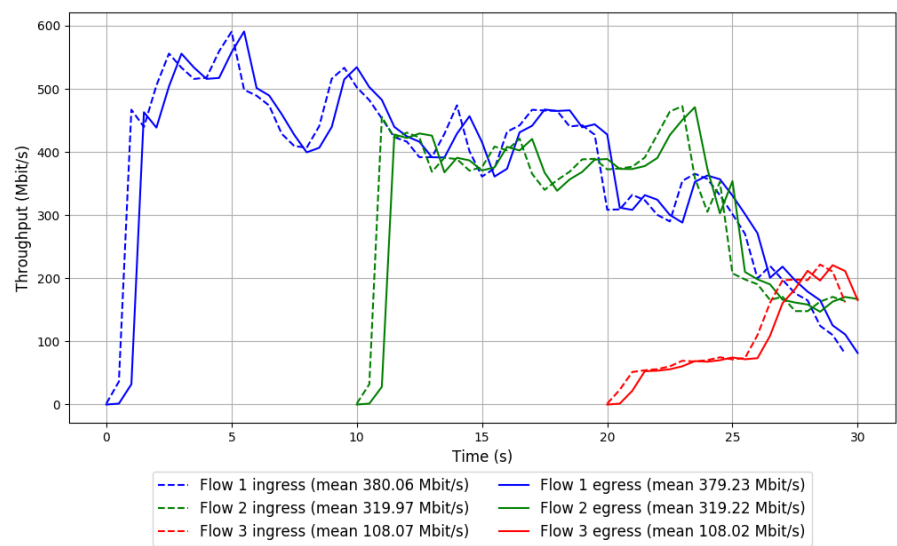


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 07:56:52
End at: 2018-07-10 07:57:22
Local clock offset: 9.606 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-10 10:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 627.18 Mbit/s
95th percentile per-packet one-way delay: 12.313 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 379.23 Mbit/s
95th percentile per-packet one-way delay: 11.307 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 319.22 Mbit/s
95th percentile per-packet one-way delay: 16.739 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 108.02 Mbit/s
95th percentile per-packet one-way delay: 36.784 ms
Loss rate: 0.06%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-10 03:37:23

End at: 2018-07-10 03:37:53

Local clock offset: 0.678 ms

Remote clock offset: -6.15 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 21.027 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 20.144 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 21.448 ms

Loss rate: 0.00%

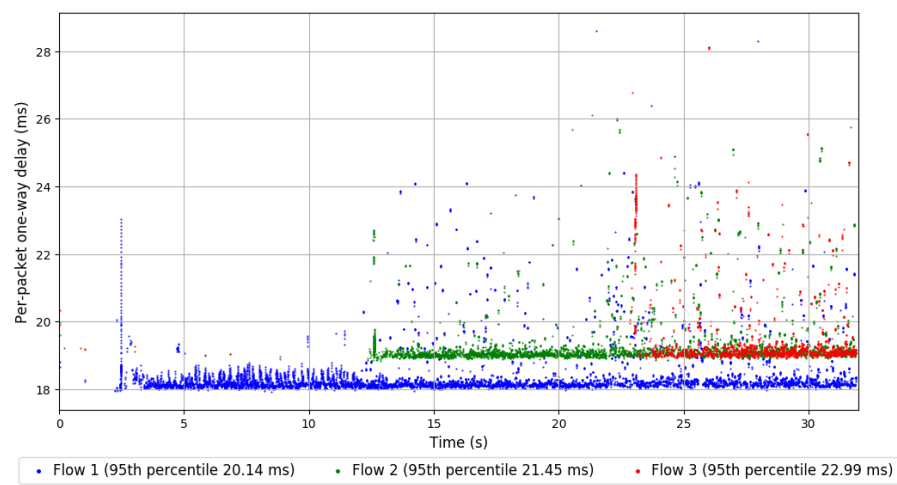
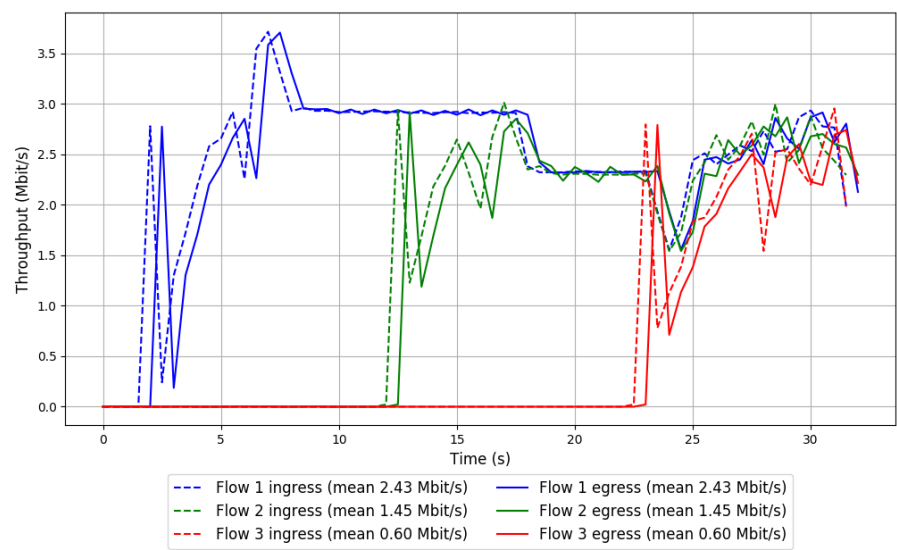
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 22.991 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

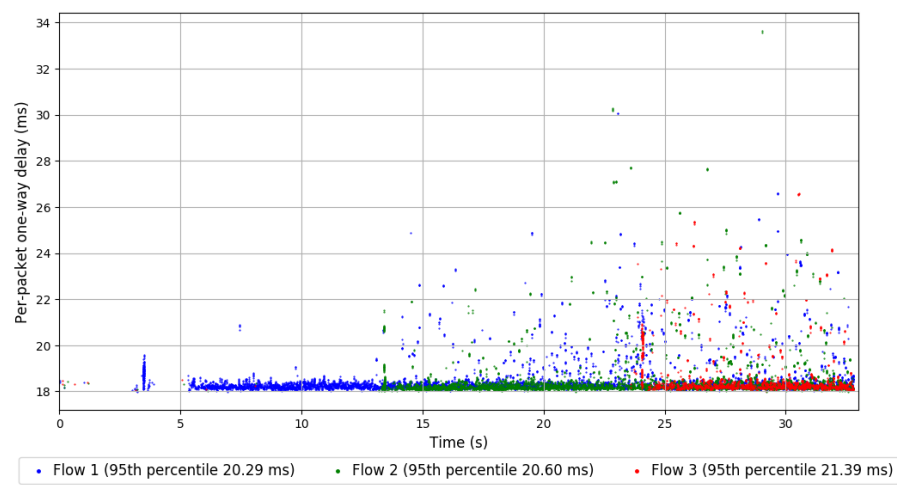
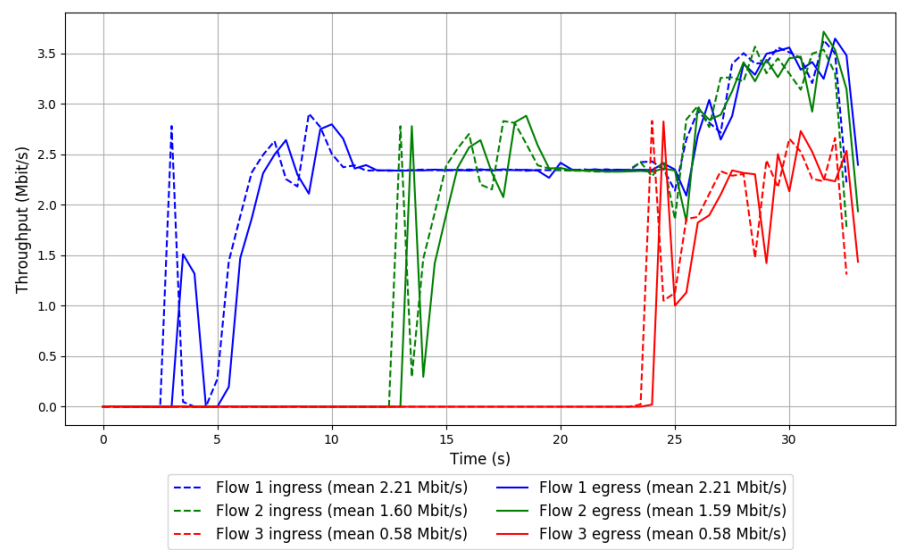


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 04:04:27
End at: 2018-07-10 04:04:57
Local clock offset: 0.18 ms
Remote clock offset: -8.506 ms

Below is generated by plot.py at 2018-07-10 10:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 20.563 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 20.290 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 20.602 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 21.393 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

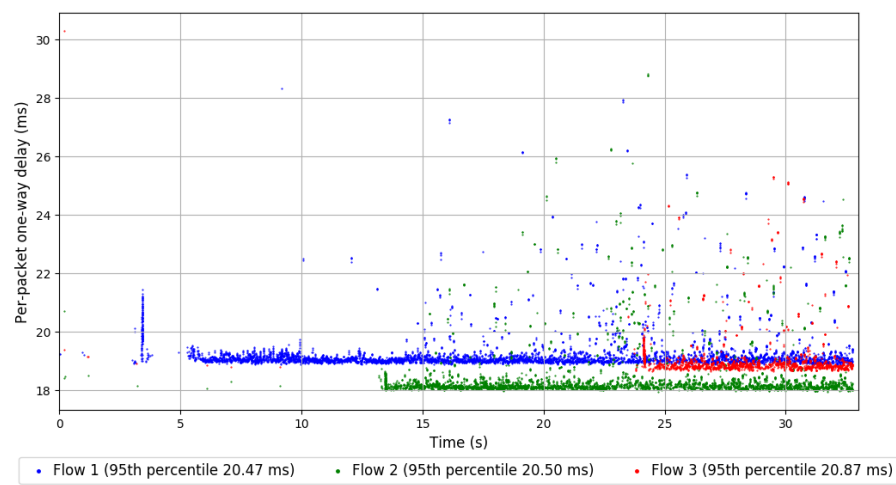
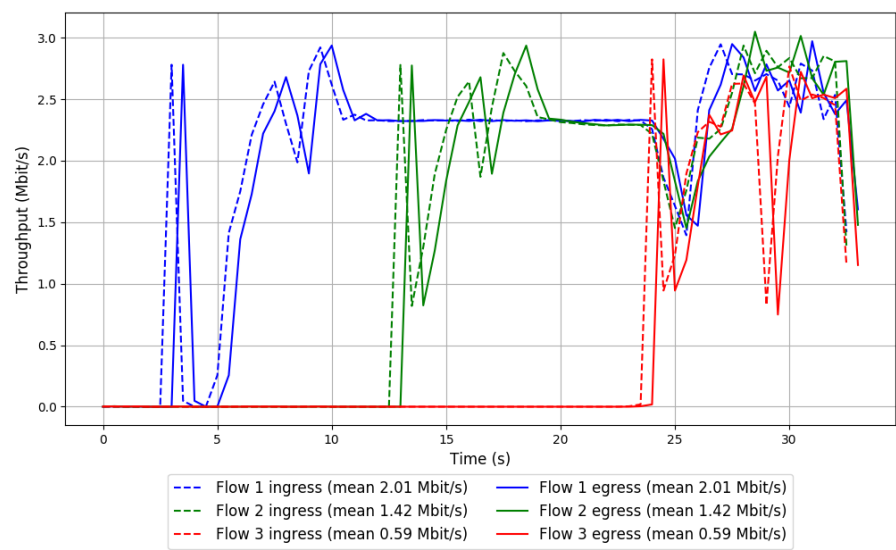


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 04:31:43
End at: 2018-07-10 04:32:13
Local clock offset: -0.094 ms
Remote clock offset: -2.787 ms

Below is generated by plot.py at 2018-07-10 10:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 20.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 20.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 20.872 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-10 04:58:59

End at: 2018-07-10 04:59:29

Local clock offset: -0.178 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 20.103 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 19.999 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 19.374 ms

Loss rate: 0.07%

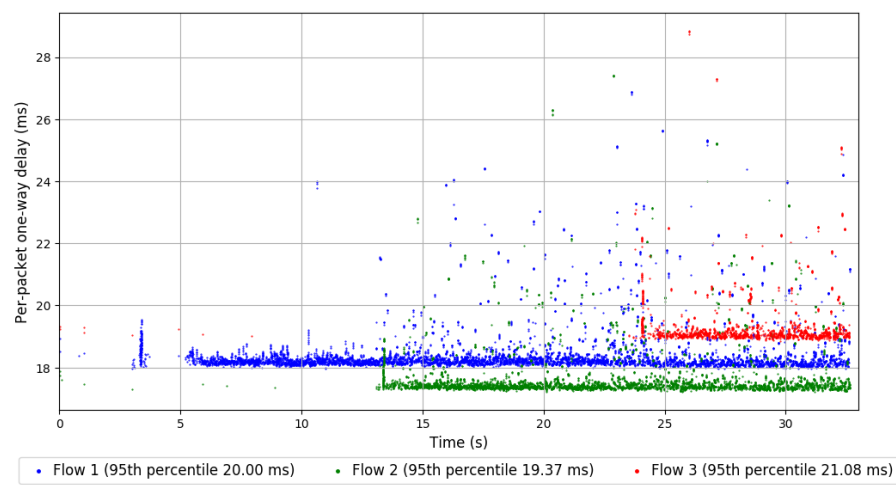
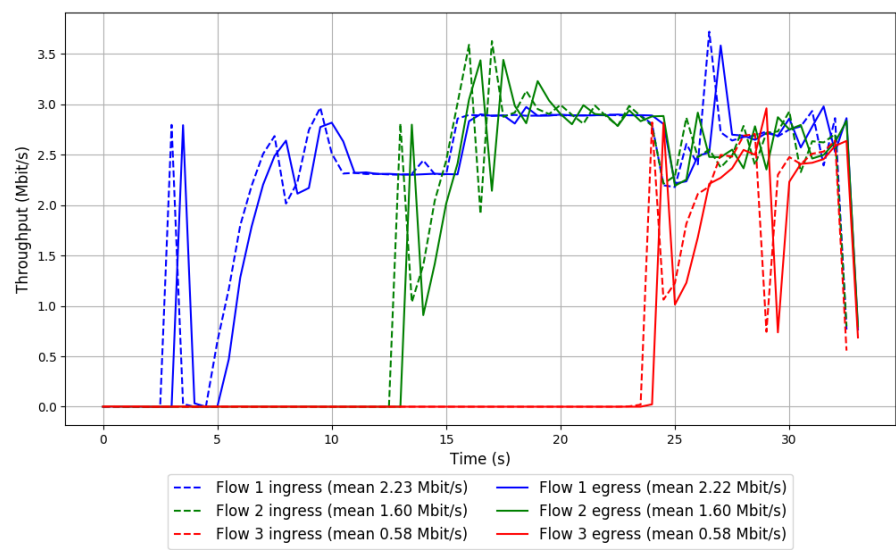
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 21.078 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-10 05:26:20

End at: 2018-07-10 05:26:50

Local clock offset: -0.066 ms

Remote clock offset: 1.196 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 21.147 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 21.100 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 21.196 ms

Loss rate: 0.28%

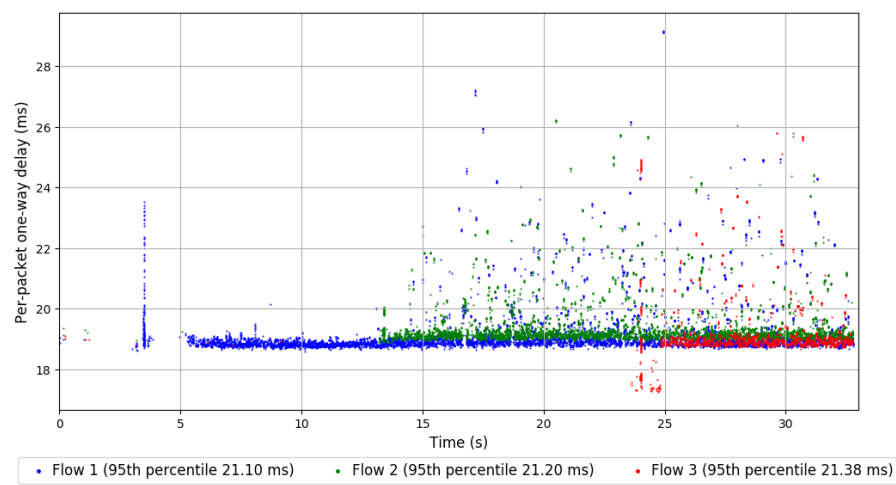
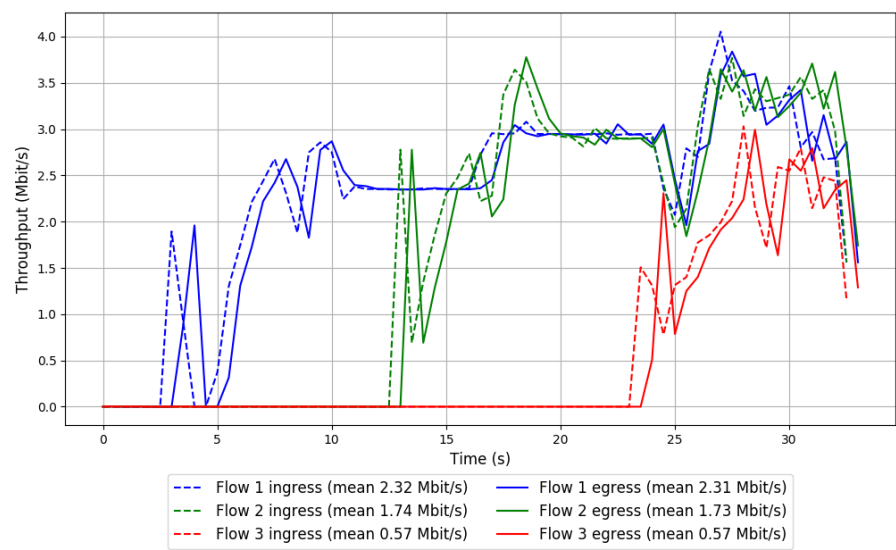
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21.383 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-10 05:53:47

End at: 2018-07-10 05:54:17

Local clock offset: -0.057 ms

Remote clock offset: 0.522 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 21.229 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 20.918 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 21.599 ms

Loss rate: 0.00%

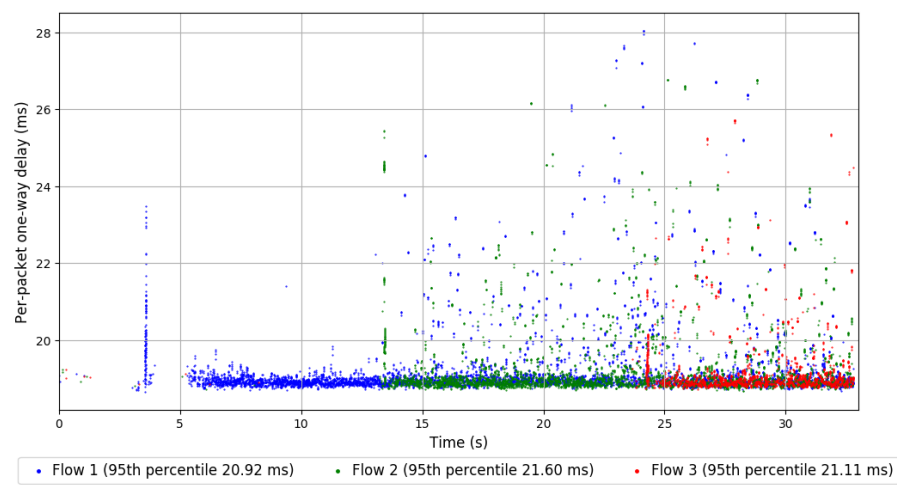
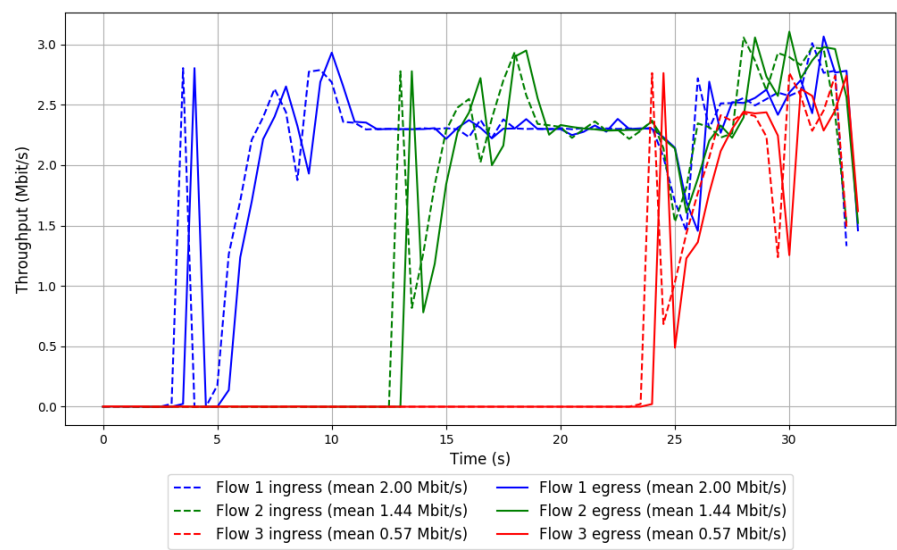
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21.108 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-10 06:20:41

End at: 2018-07-10 06:21:11

Local clock offset: 0.012 ms

Remote clock offset: 3.599 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 20.991 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 20.568 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 20.725 ms

Loss rate: 0.00%

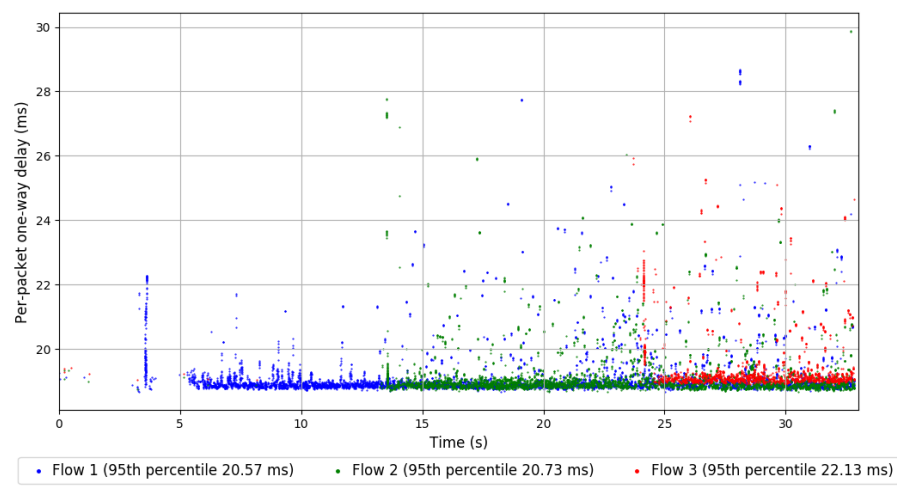
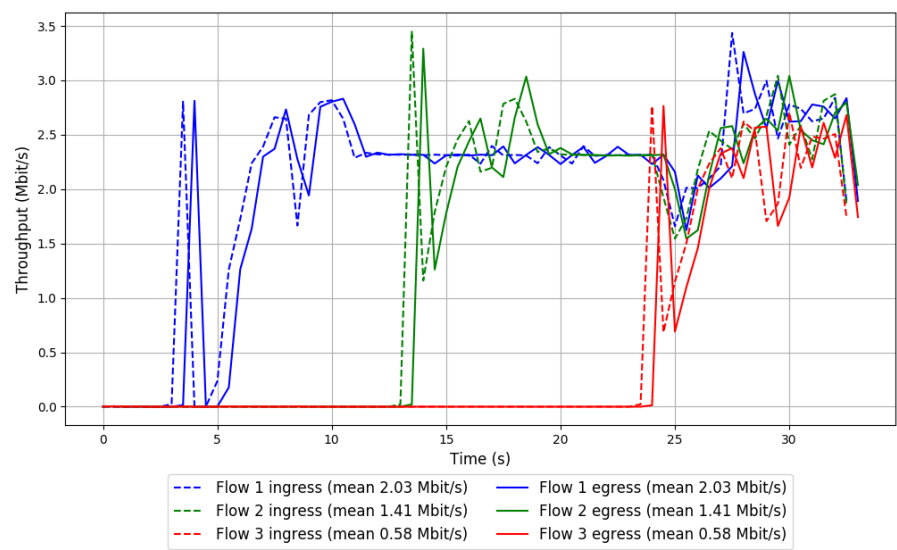
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 22.130 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-10 06:48:13

End at: 2018-07-10 06:48:43

Local clock offset: 0.151 ms

Remote clock offset: 3.46 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 20.660 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 20.582 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 20.945 ms

Loss rate: 0.00%

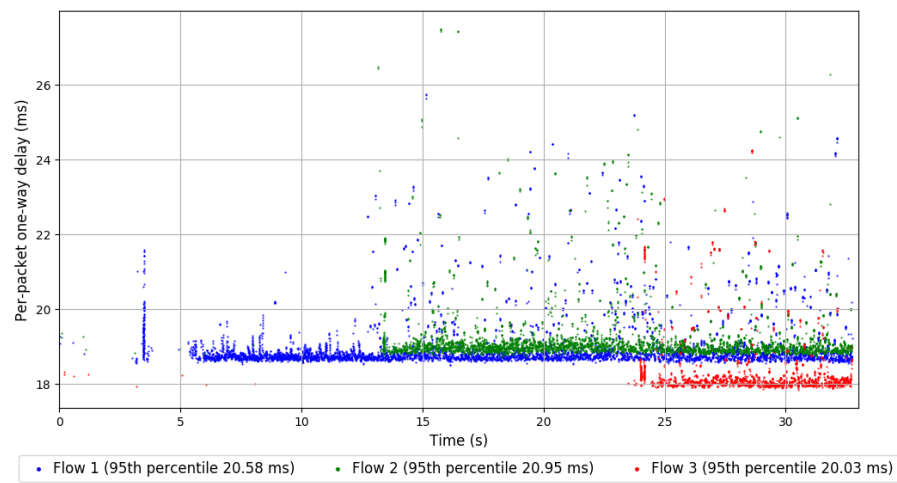
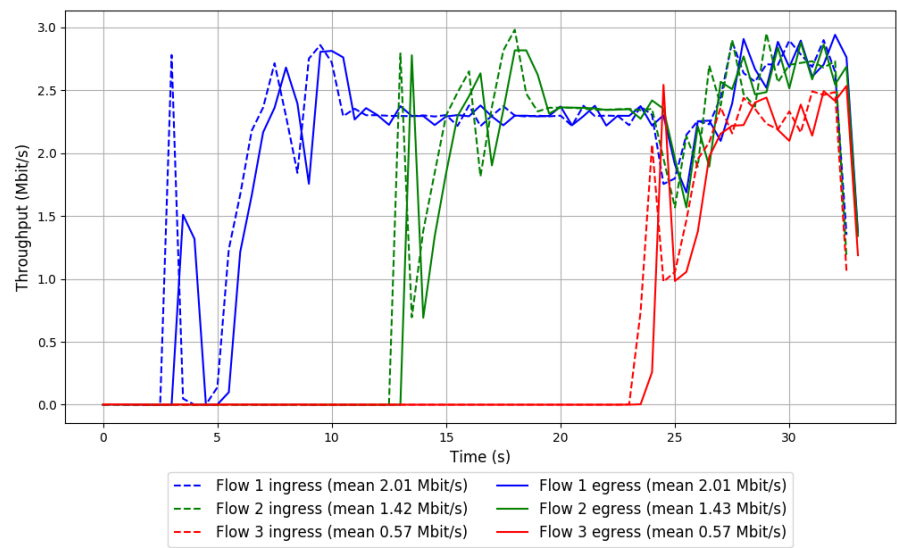
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 20.032 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-10 07:15:34

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

Local clock offset: 0.349 ms

Remote clock offset: 0.746 ms

Below is generated by plot.py at 2018-07-10 10:45:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.56 Mbit/s

95th percentile per-packet one-way delay: 21.080 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 20.144 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 21.525 ms

Loss rate: 0.51%

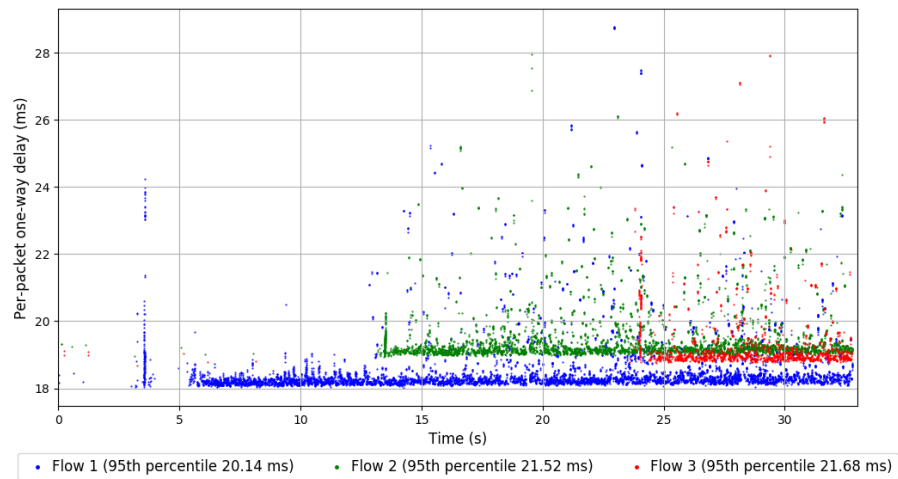
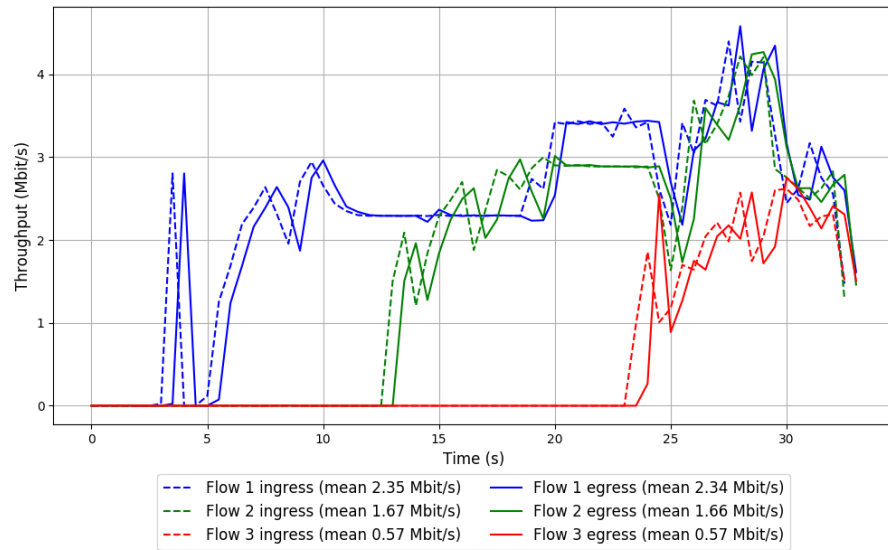
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21.681 ms

Loss rate: 0.01%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 07:42:42
End at: 2018-07-10 07:43:12
Local clock offset: 0.699 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-10 10:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 20.267 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 20.204 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

