

Pantheon Report

Generated at 2018-08-01 14:46:48 (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.

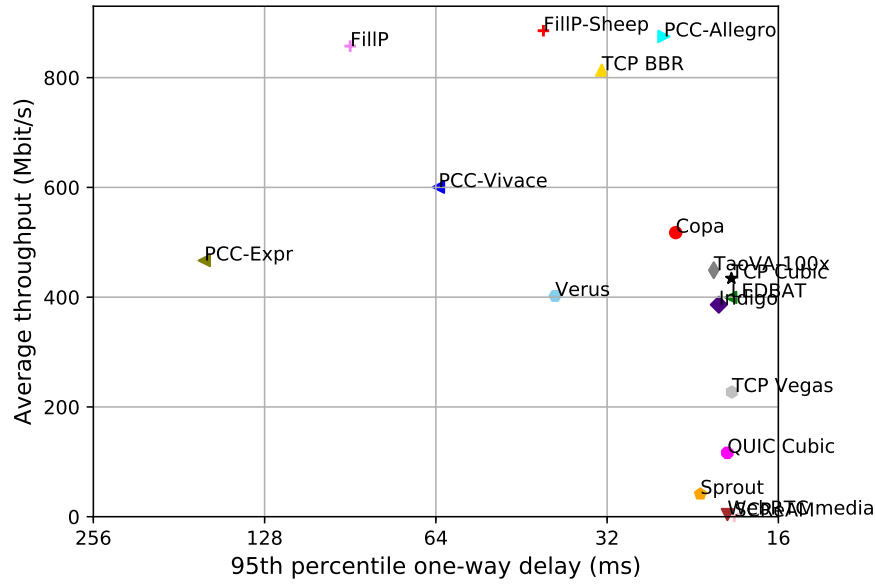
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

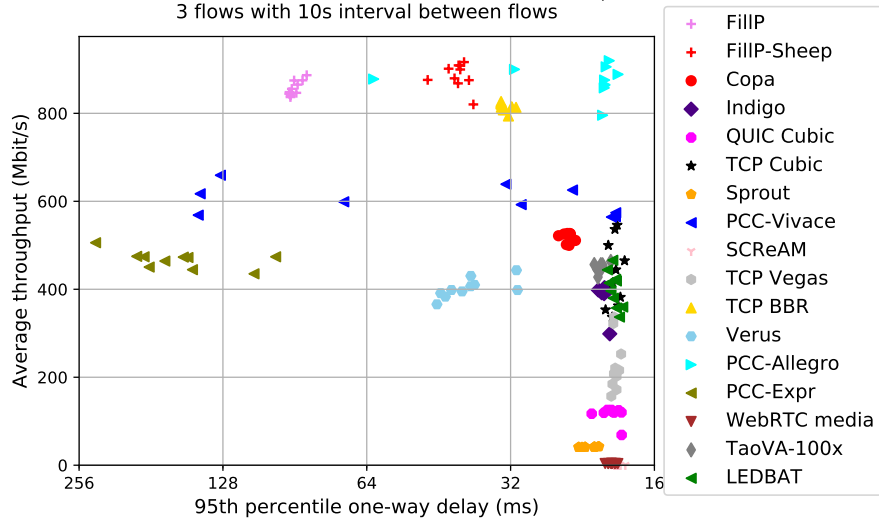
Git summary:

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

test from AWS 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



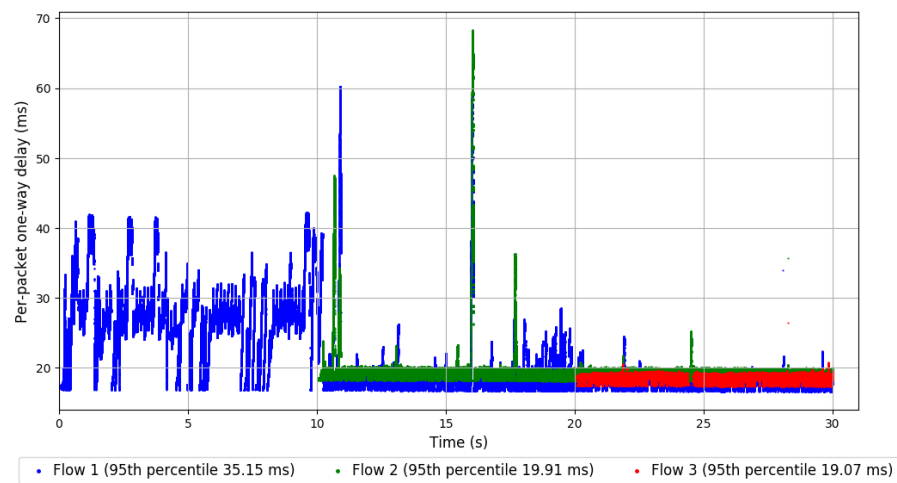
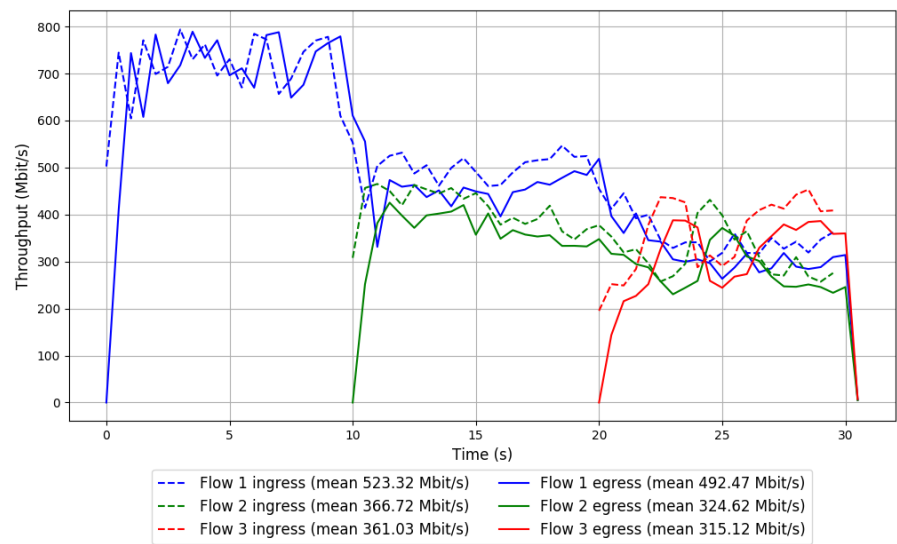
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	479.90	356.16	290.07	34.16	24.09	20.12	5.37	9.78	12.10
Copa	10	281.23	245.29	219.63	23.68	24.31	25.65	0.12	0.16	0.28
TCP Cubic	10	254.36	172.56	194.89	19.10	19.05	20.09	0.08	0.09	0.16
FillP	10	547.48	305.62	321.86	91.27	39.89	38.74	9.96	15.39	17.88
FillP-Sheep	10	549.94	347.40	314.70	41.03	37.64	45.66	12.98	23.00	26.63
Indigo	10	192.04	198.19	193.06	20.08	20.37	20.79	0.22	0.33	0.19
LEDBAT	10	243.18	175.01	119.95	19.26	19.43	19.29	0.03	0.06	0.10
PCC-Allegro	10	716.15	205.41	67.85	26.24	20.05	20.00	0.84	1.08	1.19
PCC-Expr	10	272.58	247.13	90.40	148.84	163.46	33.64	1.13	2.54	0.10
QUIC Cubic	10	59.15	61.05	50.93	19.19	19.47	21.22	0.03	0.04	0.06
SCReAM	10	0.22	0.22	0.22	18.74	18.80	19.11	0.00	0.00	0.00
Sprout	10	20.88	20.63	20.72	21.41	22.20	22.13	0.21	0.04	0.03
TaoVA-100x	10	243.86	217.73	181.04	20.07	20.84	22.32	0.01	0.02	0.03
TCP Vegas	10	132.20	101.05	83.16	18.96	18.89	19.26	0.10	0.22	0.30
Verus	10	211.79	184.53	207.07	37.24	42.68	38.64	22.38	21.14	29.87
PCC-Vivace	10	355.64	326.98	82.66	74.90	38.68	19.05	0.62	0.40	0.57
WebRTC media	10	2.00	1.38	0.54	19.62	19.34	20.02	0.01	0.00	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 07:52:35
End at: 2018-08-01 07:53:05
Local clock offset: 5.43 ms
Remote clock offset: -2.307 ms

Below is generated by plot.py at 2018-08-01 12:43:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 813.45 Mbit/s
95th percentile per-packet one-way delay: 31.172 ms
Loss rate: 8.35%
-- Flow 1:
Average throughput: 492.47 Mbit/s
95th percentile per-packet one-way delay: 35.146 ms
Loss rate: 5.89%
-- Flow 2:
Average throughput: 324.62 Mbit/s
95th percentile per-packet one-way delay: 19.909 ms
Loss rate: 11.48%
-- Flow 3:
Average throughput: 315.12 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 12.74%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 08:20:06

End at: 2018-08-01 08:20:36

Local clock offset: -1.434 ms

Remote clock offset: 1.228 ms

Below is generated by plot.py at 2018-08-01 12:43:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 807.93 Mbit/s

95th percentile per-packet one-way delay: 33.140 ms

Loss rate: 7.86%

-- Flow 1:

Average throughput: 496.58 Mbit/s

95th percentile per-packet one-way delay: 34.494 ms

Loss rate: 5.61%

-- Flow 2:

Average throughput: 315.29 Mbit/s

95th percentile per-packet one-way delay: 22.671 ms

Loss rate: 11.04%

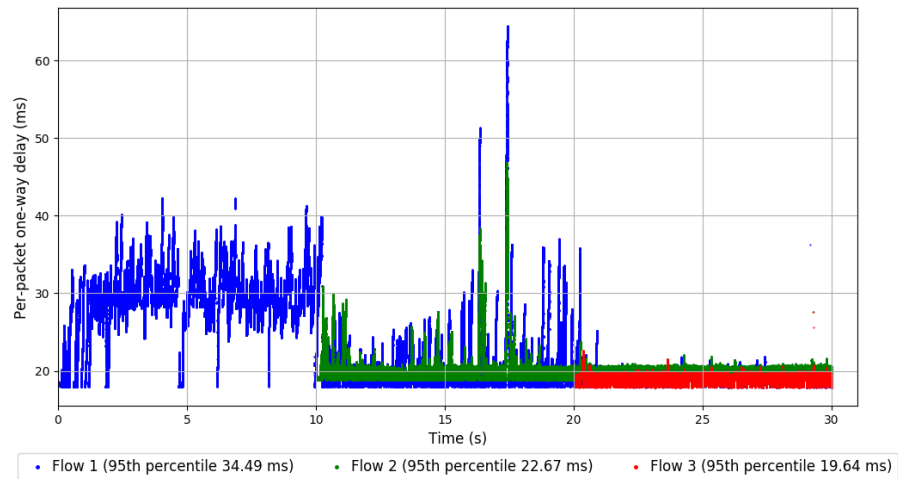
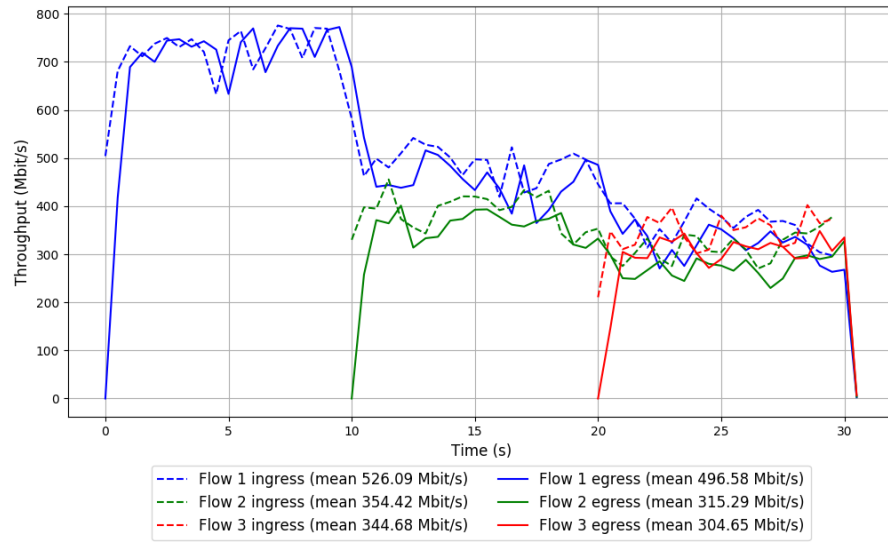
-- Flow 3:

Average throughput: 304.65 Mbit/s

95th percentile per-packet one-way delay: 19.643 ms

Loss rate: 11.62%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-01 08:47:27

End at: 2018-08-01 08:47:57

Local clock offset: -0.957 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-08-01 12:44:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 820.73 Mbit/s

95th percentile per-packet one-way delay: 33.474 ms

Loss rate: 8.02%

-- Flow 1:

Average throughput: 484.17 Mbit/s

95th percentile per-packet one-way delay: 34.702 ms

Loss rate: 5.65%

-- Flow 2:

Average throughput: 344.80 Mbit/s

95th percentile per-packet one-way delay: 23.362 ms

Loss rate: 10.27%

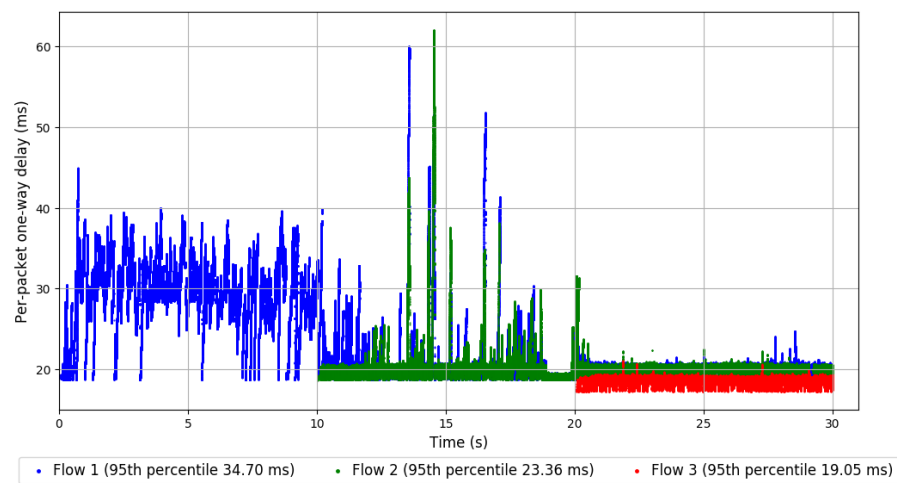
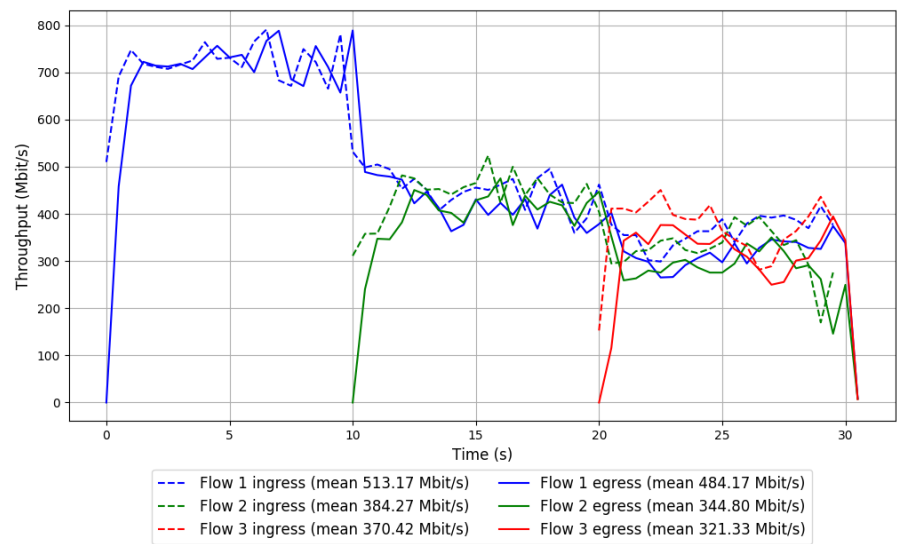
-- Flow 3:

Average throughput: 321.33 Mbit/s

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

Loss rate: 13.24%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-01 09:14:59

End at: 2018-08-01 09:15:29

Local clock offset: -0.349 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-01 12:44:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 813.95 Mbit/s

95th percentile per-packet one-way delay: 33.465 ms

Loss rate: 7.77%

-- Flow 1:

Average throughput: 454.37 Mbit/s

95th percentile per-packet one-way delay: 34.548 ms

Loss rate: 5.49%

-- Flow 2:

Average throughput: 378.34 Mbit/s

95th percentile per-packet one-way delay: 25.953 ms

Loss rate: 10.31%

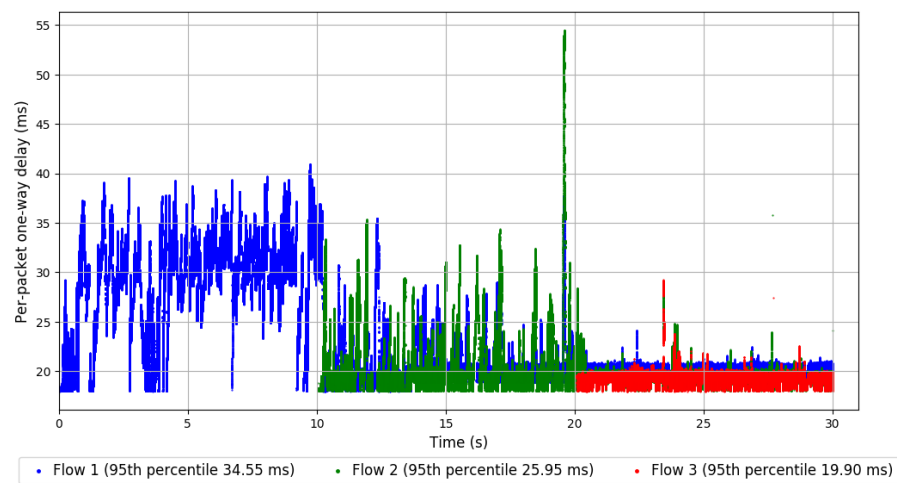
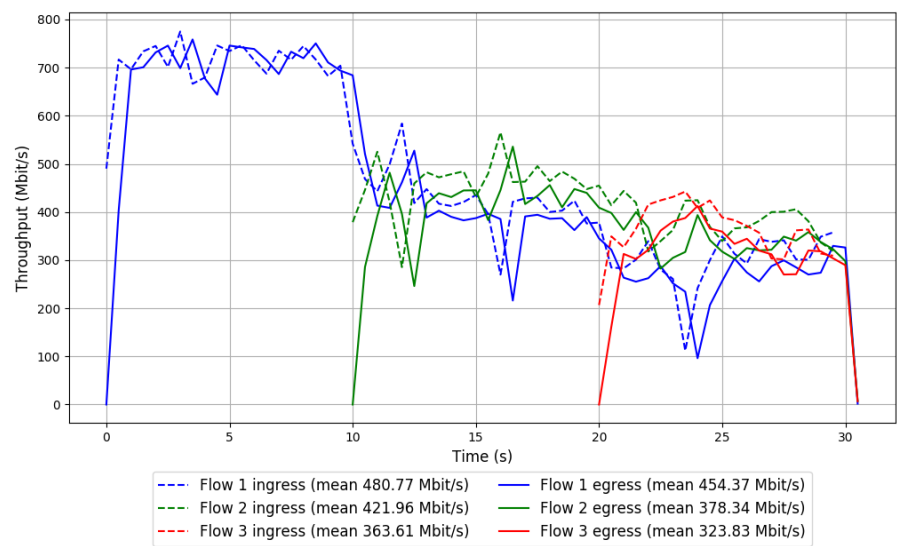
-- Flow 3:

Average throughput: 323.83 Mbit/s

95th percentile per-packet one-way delay: 19.903 ms

Loss rate: 10.95%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-01 09:42:25

End at: 2018-08-01 09:42:55

Local clock offset: -3.611 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-08-01 12:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 826.86 Mbit/s

95th percentile per-packet one-way delay: 33.500 ms

Loss rate: 7.52%

-- Flow 1:

Average throughput: 488.04 Mbit/s

95th percentile per-packet one-way delay: 34.453 ms

Loss rate: 5.52%

-- Flow 2:

Average throughput: 378.92 Mbit/s

95th percentile per-packet one-way delay: 24.145 ms

Loss rate: 9.25%

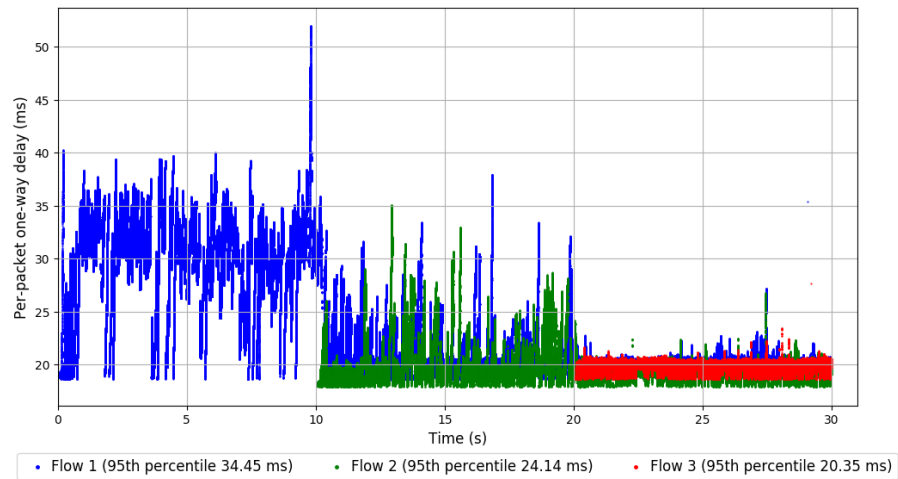
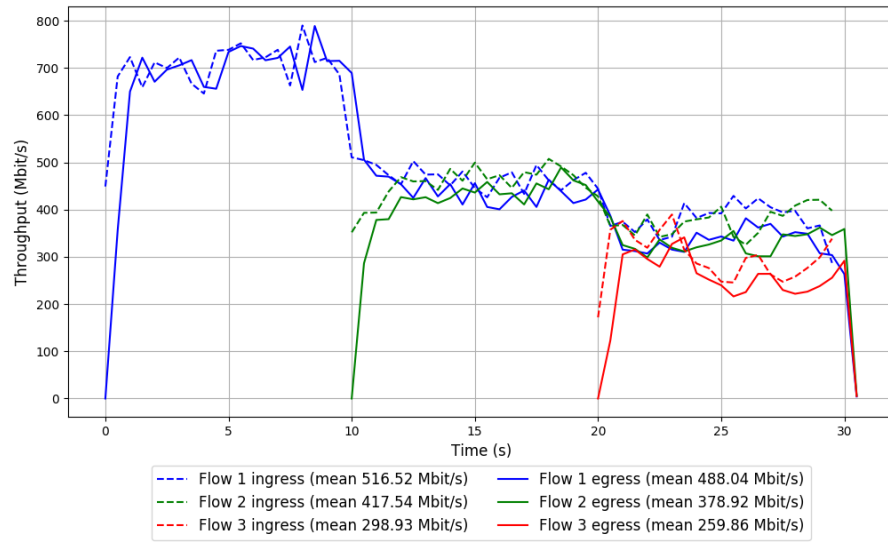
-- Flow 3:

Average throughput: 259.86 Mbit/s

95th percentile per-packet one-way delay: 20.353 ms

Loss rate: 13.07%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-01 10:09:43

End at: 2018-08-01 10:10:13

Local clock offset: -0.033 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-01 12:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 822.90 Mbit/s

95th percentile per-packet one-way delay: 33.543 ms

Loss rate: 7.00%

-- Flow 1:

Average throughput: 484.35 Mbit/s

95th percentile per-packet one-way delay: 34.810 ms

Loss rate: 4.68%

-- Flow 2:

Average throughput: 373.13 Mbit/s

95th percentile per-packet one-way delay: 24.353 ms

Loss rate: 9.32%

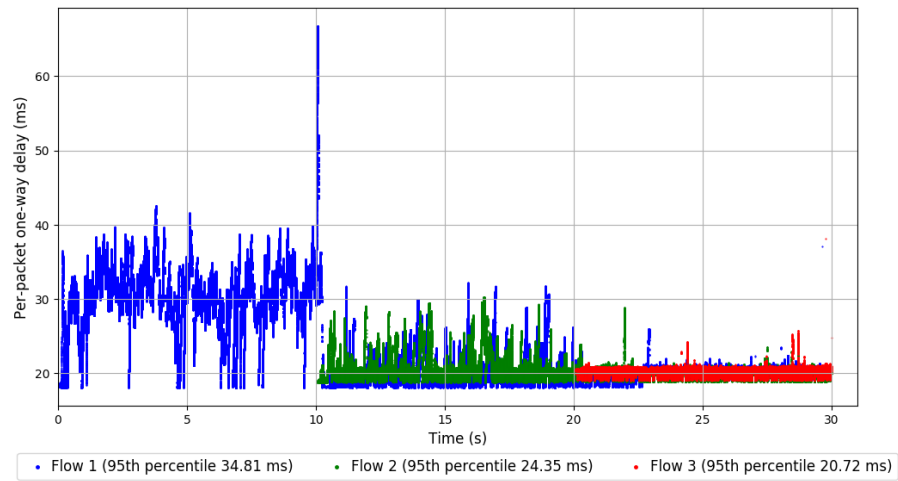
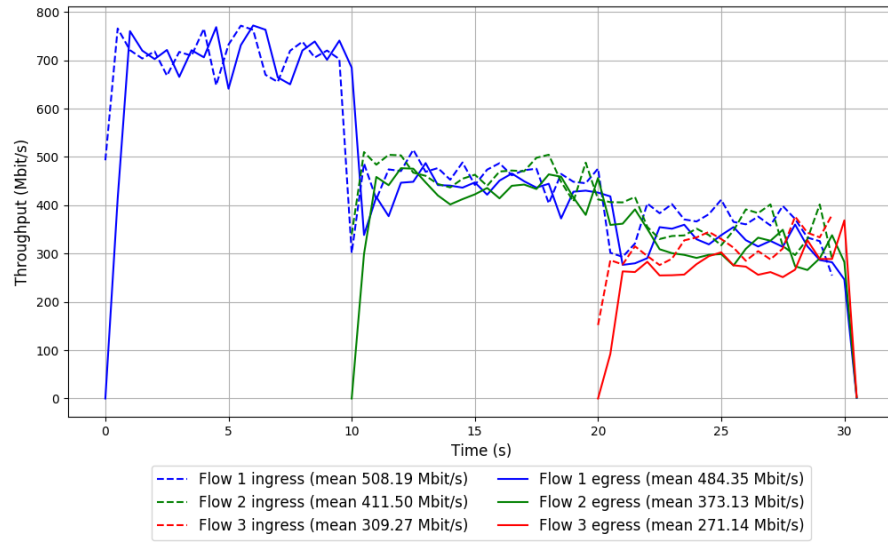
-- Flow 3:

Average throughput: 271.14 Mbit/s

95th percentile per-packet one-way delay: 20.716 ms

Loss rate: 12.30%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 10:37:02

End at: 2018-08-01 10:37:32

Local clock offset: -2.643 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-08-01 12:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 812.24 Mbit/s

95th percentile per-packet one-way delay: 31.786 ms

Loss rate: 7.14%

-- Flow 1:

Average throughput: 476.55 Mbit/s

95th percentile per-packet one-way delay: 32.974 ms

Loss rate: 5.30%

-- Flow 2:

Average throughput: 389.21 Mbit/s

95th percentile per-packet one-way delay: 25.850 ms

Loss rate: 8.80%

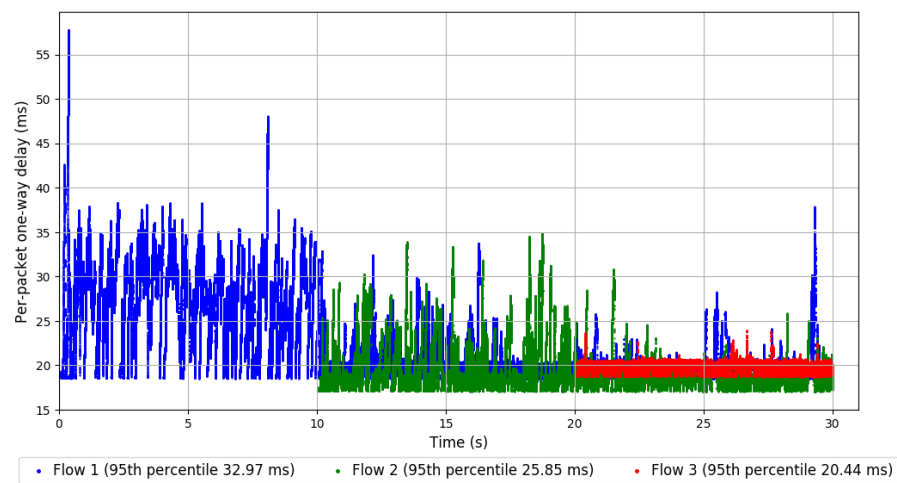
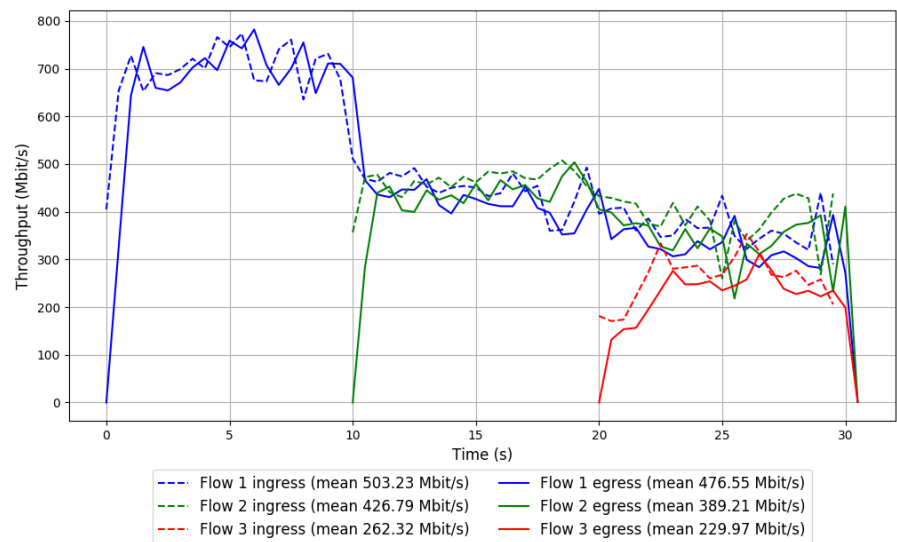
-- Flow 3:

Average throughput: 229.97 Mbit/s

95th percentile per-packet one-way delay: 20.440 ms

Loss rate: 12.34%

Run 7: Report of TCP BBR — Data Link

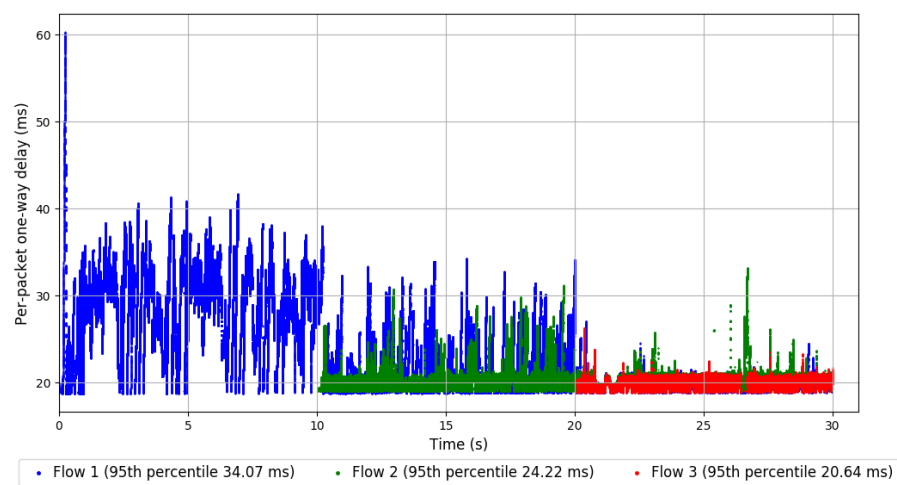
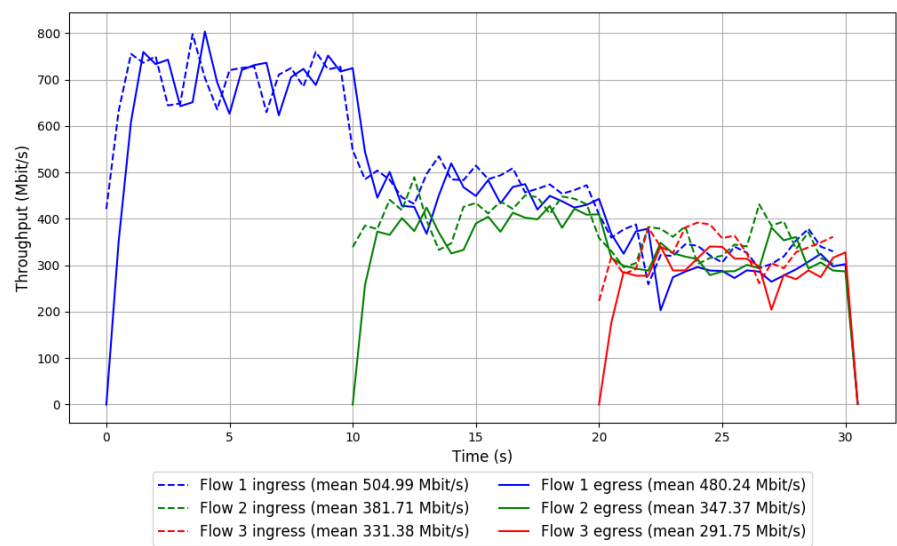


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 11:04:30
End at: 2018-08-01 11:05:00
Local clock offset: -0.56 ms
Remote clock offset: -3.858 ms

Below is generated by plot.py at 2018-08-01 12:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 808.67 Mbit/s
95th percentile per-packet one-way delay: 32.888 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 480.24 Mbit/s
95th percentile per-packet one-way delay: 34.074 ms
Loss rate: 4.90%
-- Flow 2:
Average throughput: 347.37 Mbit/s
95th percentile per-packet one-way delay: 24.220 ms
Loss rate: 8.99%
-- Flow 3:
Average throughput: 291.75 Mbit/s
95th percentile per-packet one-way delay: 20.640 ms
Loss rate: 11.94%

Run 8: Report of TCP BBR — Data Link

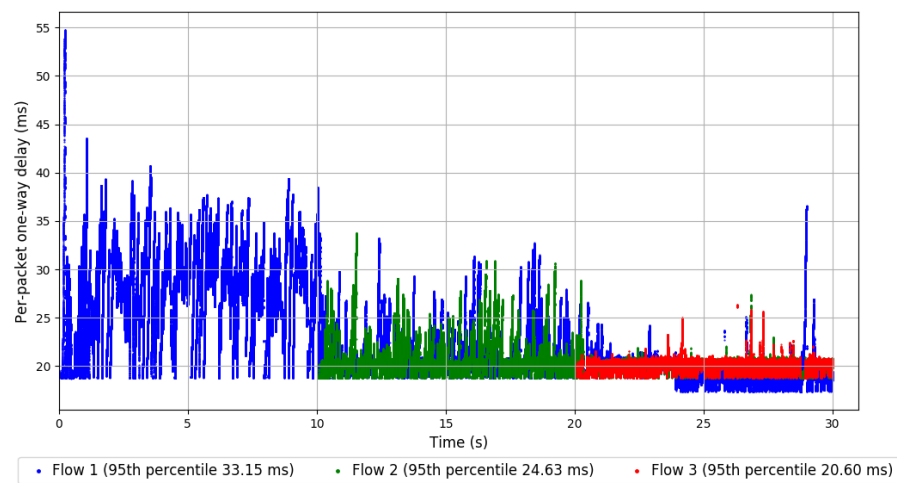
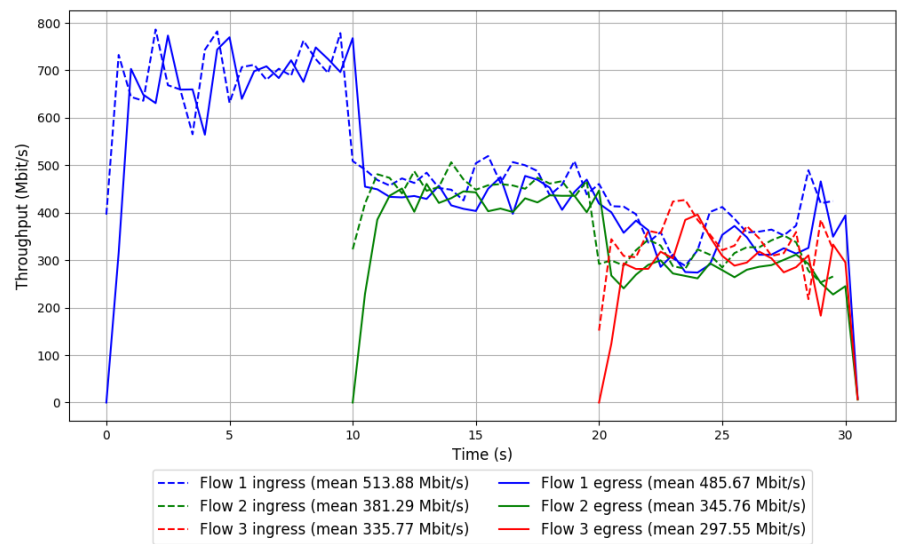


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 11:31:58
End at: 2018-08-01 11:32:28
Local clock offset: 0.361 ms
Remote clock offset: -5.914 ms

Below is generated by plot.py at 2018-08-01 12:52:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.94 Mbit/s
95th percentile per-packet one-way delay: 31.830 ms
Loss rate: 7.34%
-- Flow 1:
Average throughput: 485.67 Mbit/s
95th percentile per-packet one-way delay: 33.150 ms
Loss rate: 5.49%
-- Flow 2:
Average throughput: 345.76 Mbit/s
95th percentile per-packet one-way delay: 24.628 ms
Loss rate: 9.31%
-- Flow 3:
Average throughput: 297.55 Mbit/s
95th percentile per-packet one-way delay: 20.601 ms
Loss rate: 11.38%

Run 9: Report of TCP BBR — Data Link

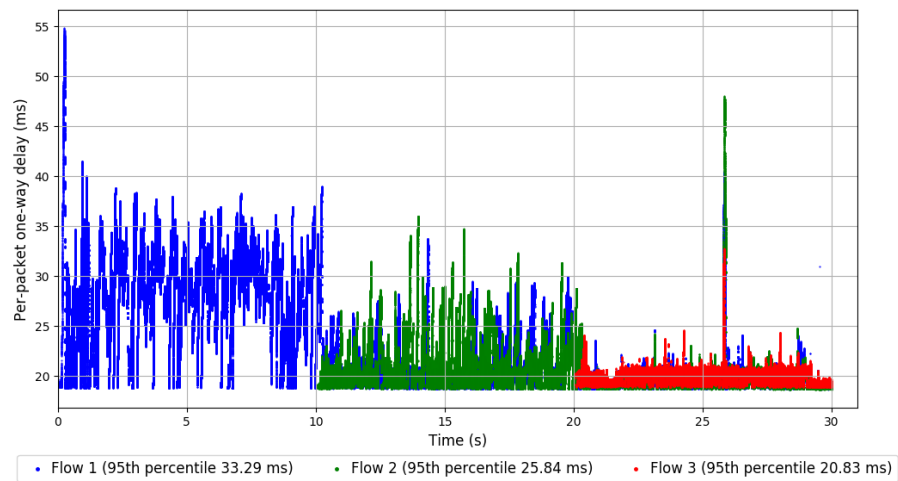
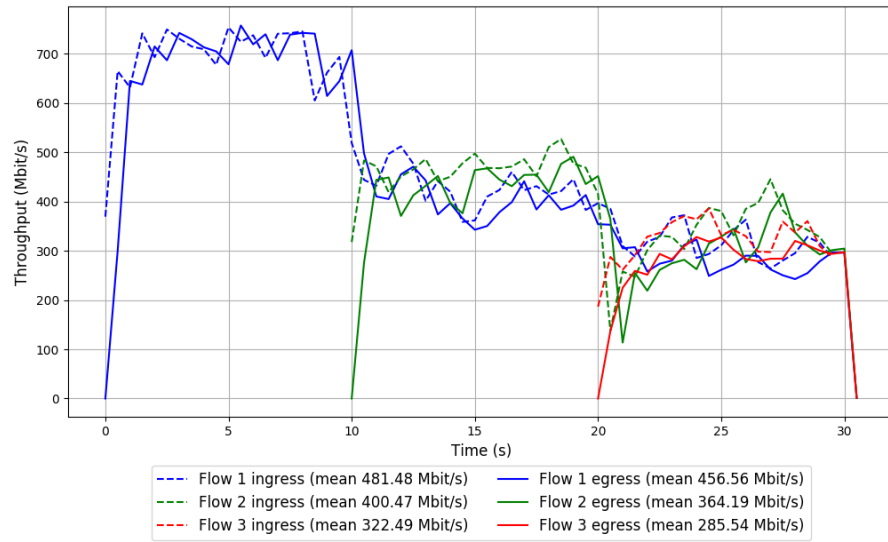


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 11:59:18
End at: 2018-08-01 11:59:48
Local clock offset: 2.044 ms
Remote clock offset: -3.023 ms

Below is generated by plot.py at 2018-08-01 12:52:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 794.01 Mbit/s
95th percentile per-packet one-way delay: 32.333 ms
Loss rate: 7.17%
-- Flow 1:
Average throughput: 456.56 Mbit/s
95th percentile per-packet one-way delay: 33.289 ms
Loss rate: 5.18%
-- Flow 2:
Average throughput: 364.19 Mbit/s
95th percentile per-packet one-way delay: 25.839 ms
Loss rate: 9.06%
-- Flow 3:
Average throughput: 285.54 Mbit/s
95th percentile per-packet one-way delay: 20.832 ms
Loss rate: 11.45%

Run 10: Report of TCP BBR — Data Link

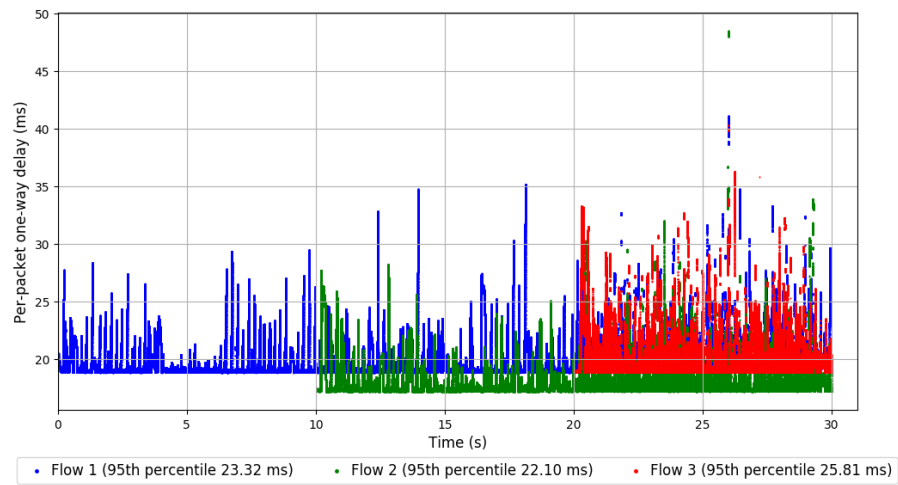
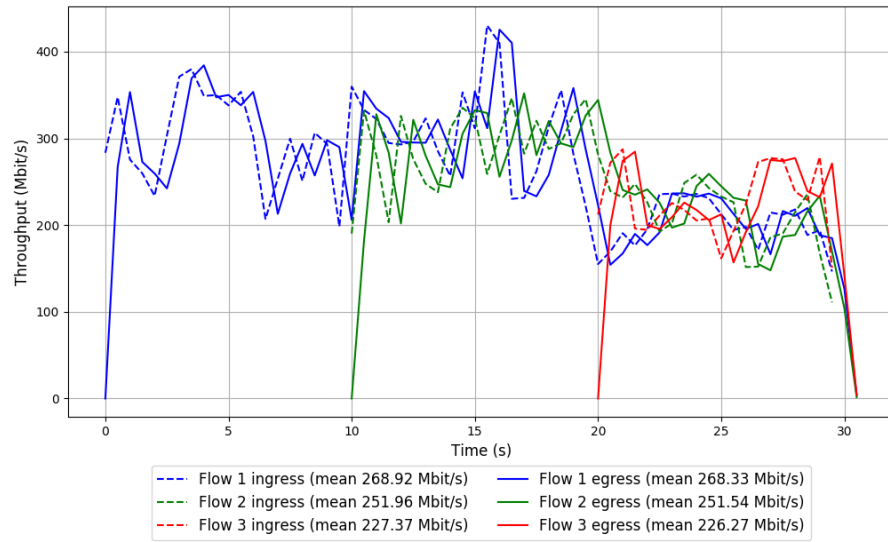


Run 1: Statistics of Copa

Start at: 2018-08-01 07:45:35
End at: 2018-08-01 07:46:05
Local clock offset: 5.155 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2018-08-01 12:54:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.08 Mbit/s
95th percentile per-packet one-way delay: 23.411 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 268.33 Mbit/s
95th percentile per-packet one-way delay: 23.318 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 251.54 Mbit/s
95th percentile per-packet one-way delay: 22.101 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 25.814 ms
Loss rate: 0.47%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

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

End at: 2018-08-01 08:13:32

Local clock offset: -0.626 ms

Remote clock offset: 0.714 ms

Below is generated by plot.py at 2018-08-01 12:54:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 526.01 Mbit/s

95th percentile per-packet one-way delay: 23.989 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 284.54 Mbit/s

95th percentile per-packet one-way delay: 23.845 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 245.80 Mbit/s

95th percentile per-packet one-way delay: 23.138 ms

Loss rate: 0.24%

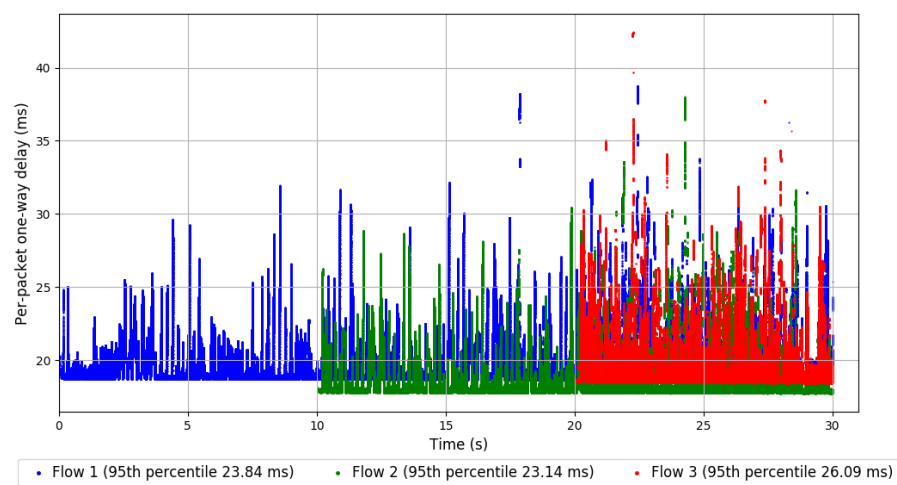
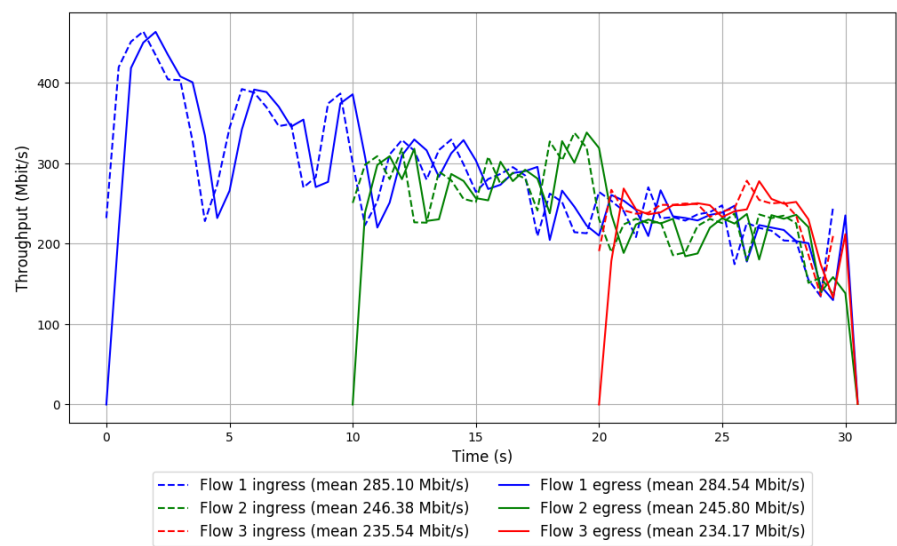
-- Flow 3:

Average throughput: 234.17 Mbit/s

95th percentile per-packet one-way delay: 26.089 ms

Loss rate: 0.59%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-01 08:40:24

End at: 2018-08-01 08:40:54

Local clock offset: -0.743 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2018-08-01 12:54:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 526.82 Mbit/s

95th percentile per-packet one-way delay: 24.337 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 281.14 Mbit/s

95th percentile per-packet one-way delay: 24.466 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 252.49 Mbit/s

95th percentile per-packet one-way delay: 23.604 ms

Loss rate: 0.07%

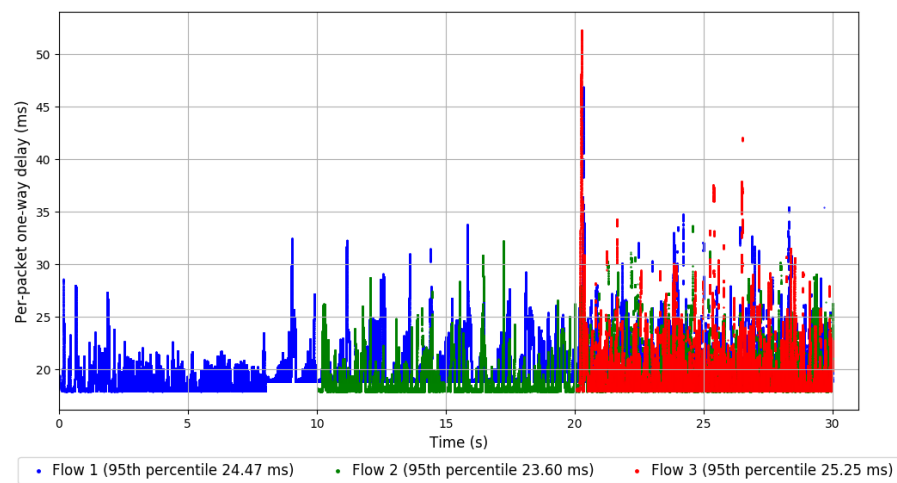
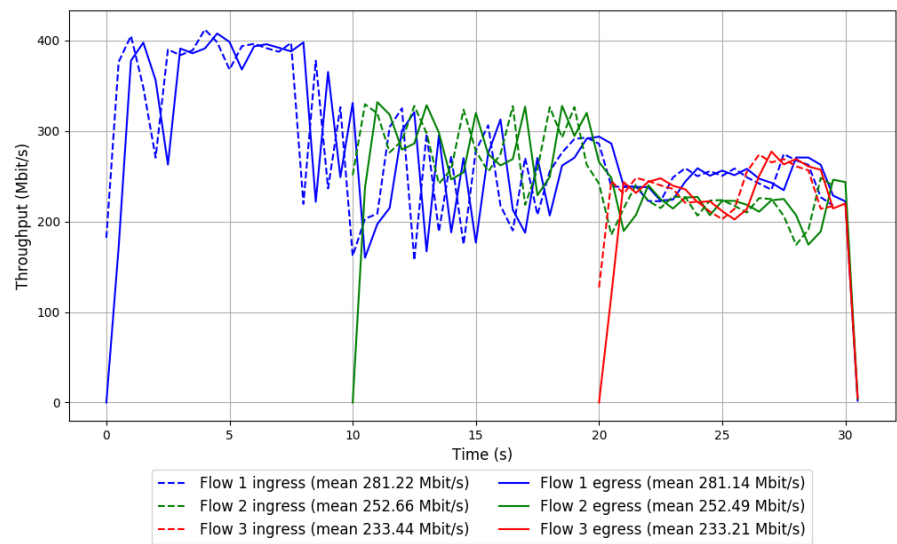
-- Flow 3:

Average throughput: 233.21 Mbit/s

95th percentile per-packet one-way delay: 25.250 ms

Loss rate: 0.11%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-01 09:07:55

End at: 2018-08-01 09:08:25

Local clock offset: -0.326 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-08-01 12:54:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 525.58 Mbit/s

95th percentile per-packet one-way delay: 24.734 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 288.02 Mbit/s

95th percentile per-packet one-way delay: 22.777 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 243.51 Mbit/s

95th percentile per-packet one-way delay: 26.980 ms

Loss rate: 0.30%

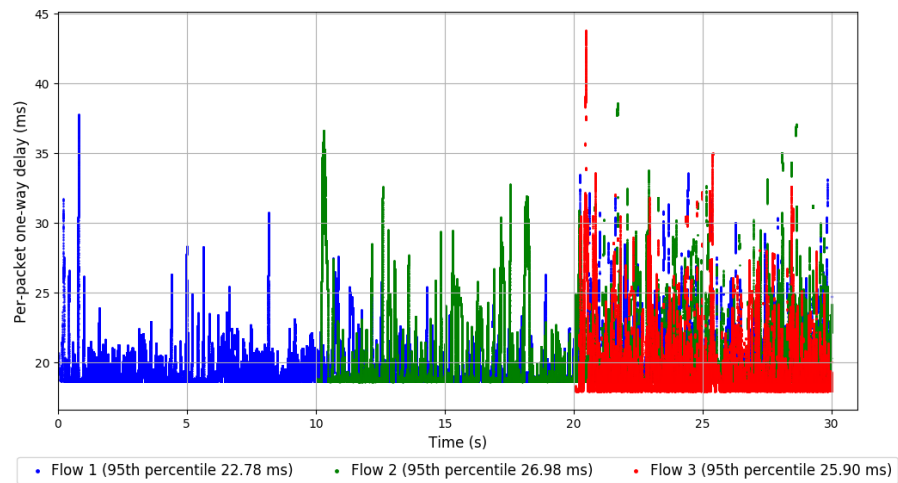
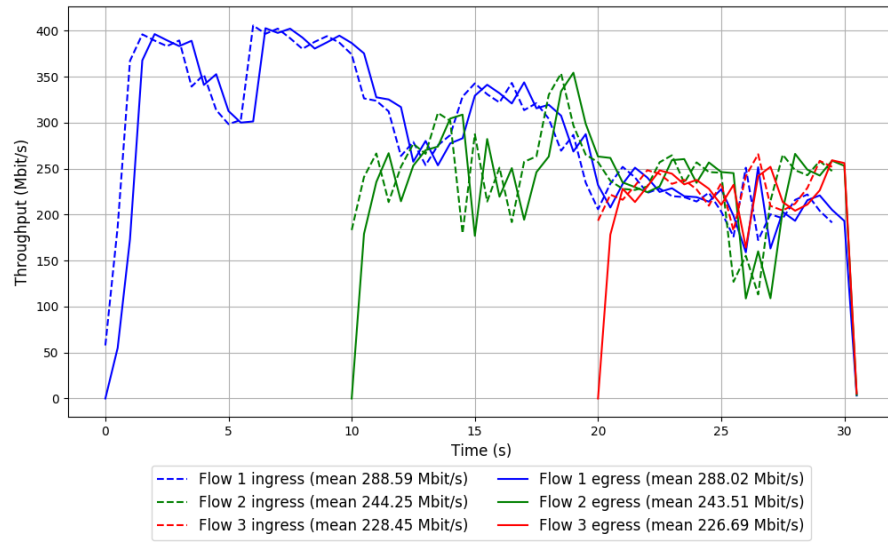
-- Flow 3:

Average throughput: 226.69 Mbit/s

95th percentile per-packet one-way delay: 25.903 ms

Loss rate: 0.76%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-01 09:35:27

End at: 2018-08-01 09:35:57

Local clock offset: -2.857 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-08-01 12:54:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 512.17 Mbit/s

95th percentile per-packet one-way delay: 23.848 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 280.23 Mbit/s

95th percentile per-packet one-way delay: 23.042 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 243.26 Mbit/s

95th percentile per-packet one-way delay: 24.348 ms

Loss rate: 0.37%

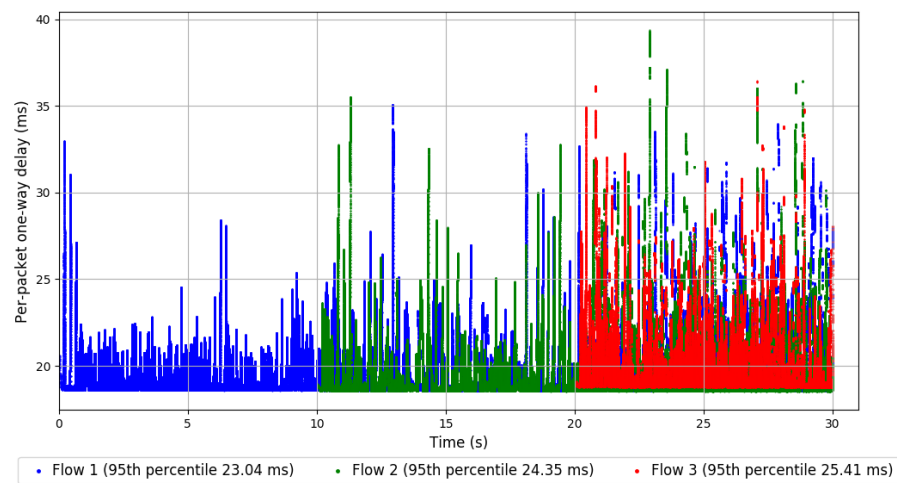
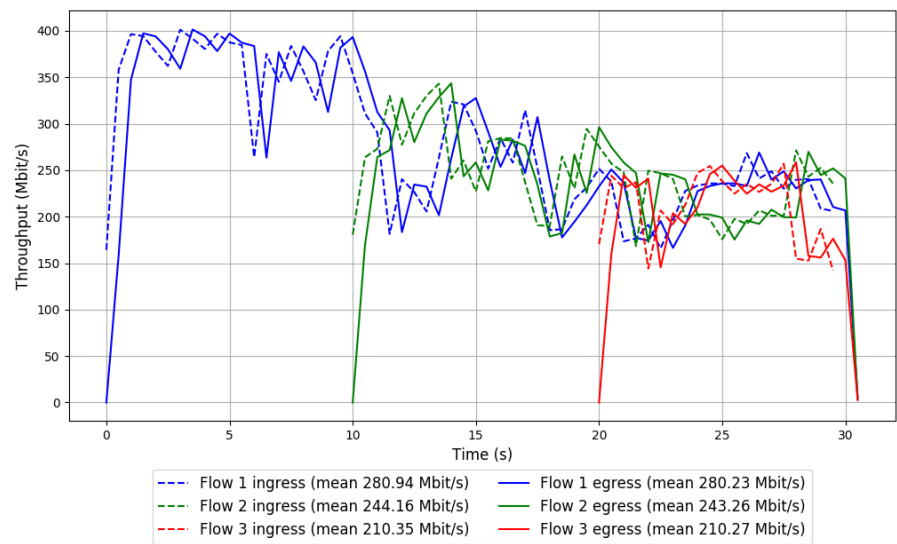
-- Flow 3:

Average throughput: 210.27 Mbit/s

95th percentile per-packet one-way delay: 25.412 ms

Loss rate: 0.03%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-01 10:02:38

End at: 2018-08-01 10:03:08

Local clock offset: -0.946 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-08-01 12:54:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 526.80 Mbit/s

95th percentile per-packet one-way delay: 24.064 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 294.07 Mbit/s

95th percentile per-packet one-way delay: 24.109 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 234.83 Mbit/s

95th percentile per-packet one-way delay: 22.711 ms

Loss rate: 0.09%

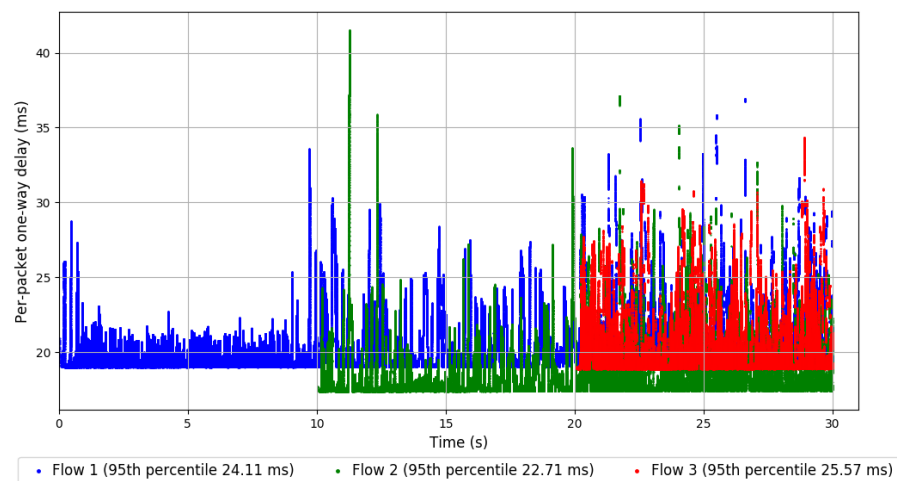
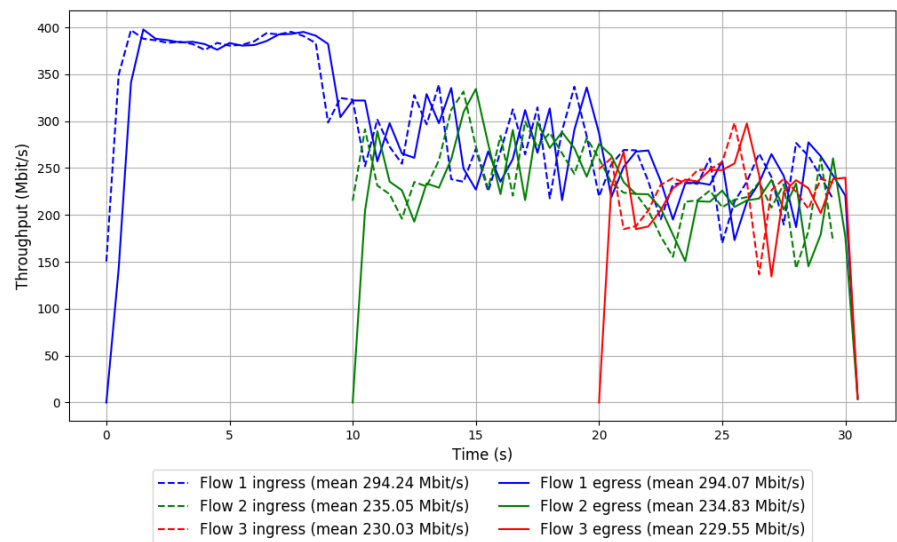
-- Flow 3:

Average throughput: 229.55 Mbit/s

95th percentile per-packet one-way delay: 25.565 ms

Loss rate: 0.21%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-01 10:30:03

End at: 2018-08-01 10:30:34

Local clock offset: -1.602 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-08-01 13:03:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.93 Mbit/s

95th percentile per-packet one-way delay: 24.142 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 276.61 Mbit/s

95th percentile per-packet one-way delay: 23.327 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 234.80 Mbit/s

95th percentile per-packet one-way delay: 24.713 ms

Loss rate: 0.03%

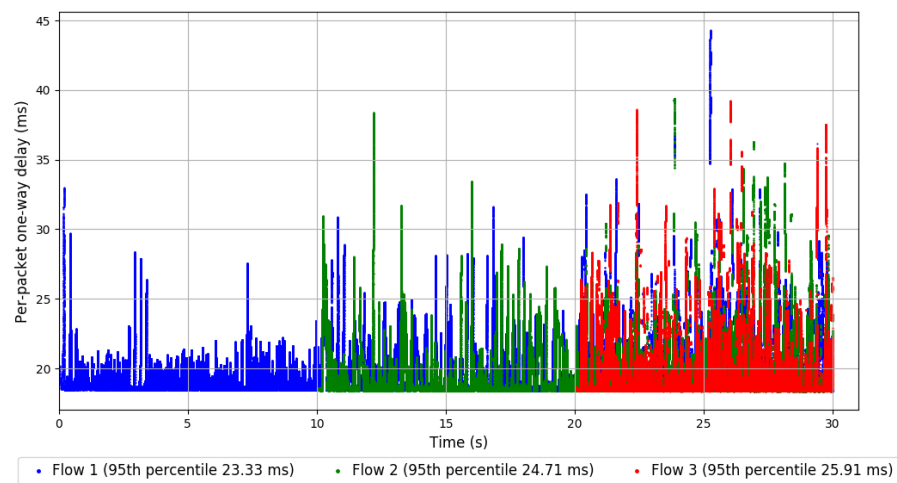
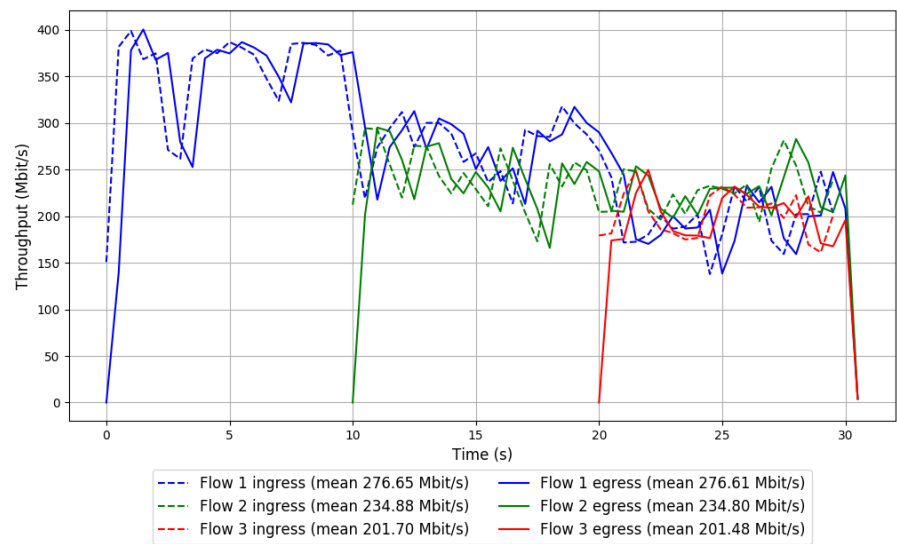
-- Flow 3:

Average throughput: 201.48 Mbit/s

95th percentile per-packet one-way delay: 25.912 ms

Loss rate: 0.13%

Run 7: Report of Copa — Data Link

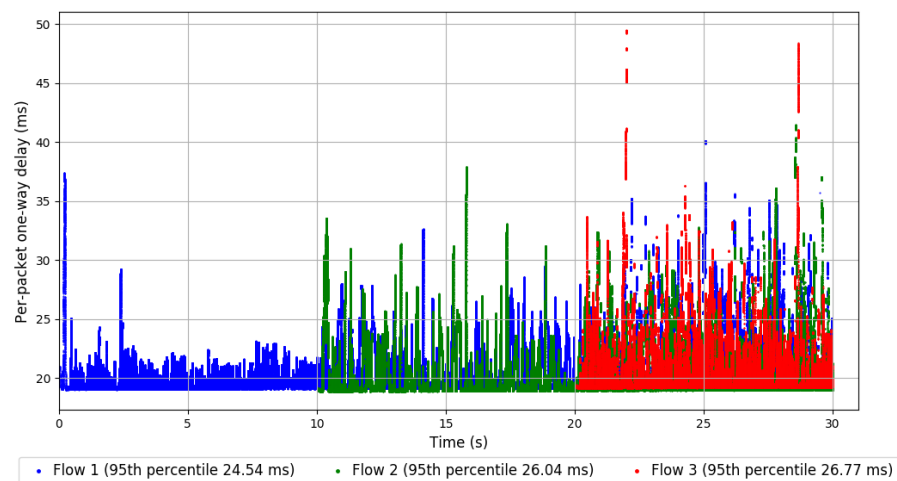
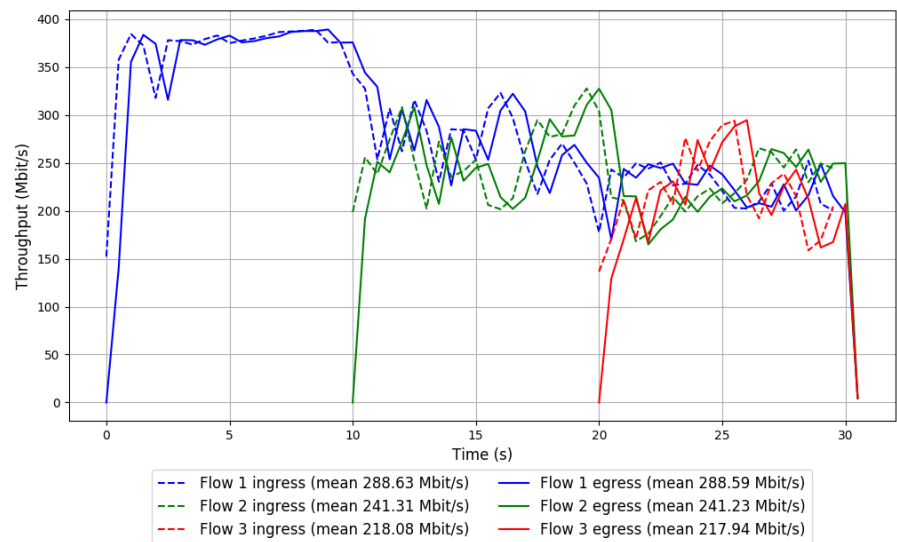


Run 8: Statistics of Copa

Start at: 2018-08-01 10:57:26
End at: 2018-08-01 10:57:56
Local clock offset: -2.002 ms
Remote clock offset: -3.025 ms

Below is generated by plot.py at 2018-08-01 13:03:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.70 Mbit/s
95th percentile per-packet one-way delay: 25.397 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 288.59 Mbit/s
95th percentile per-packet one-way delay: 24.538 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 241.23 Mbit/s
95th percentile per-packet one-way delay: 26.042 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 217.94 Mbit/s
95th percentile per-packet one-way delay: 26.772 ms
Loss rate: 0.06%

Run 8: Report of Copa — Data Link

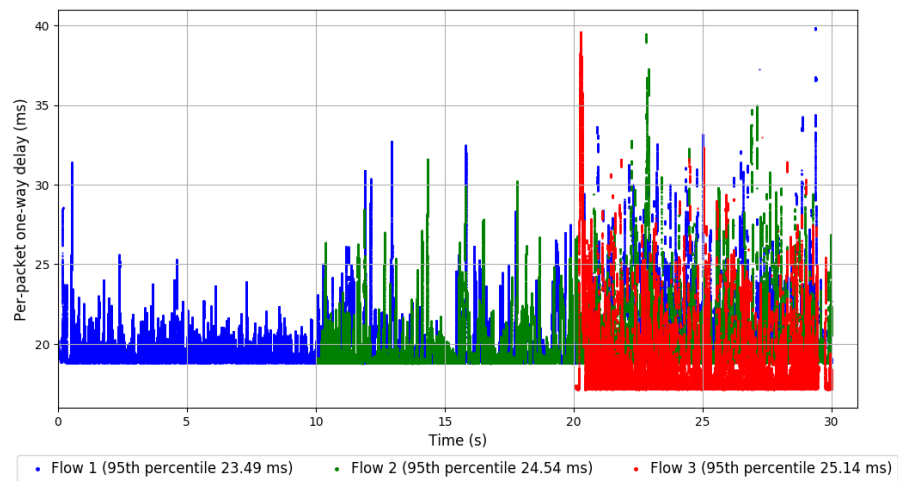
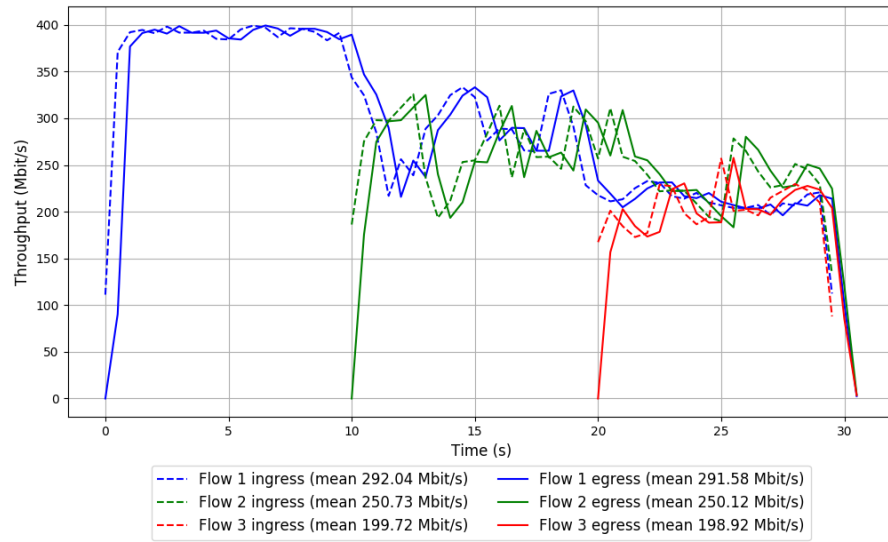


Run 9: Statistics of Copa

Start at: 2018-08-01 11:24:52
End at: 2018-08-01 11:25:22
Local clock offset: 0.61 ms
Remote clock offset: -5.441 ms

Below is generated by plot.py at 2018-08-01 13:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.31 Mbit/s
95th percentile per-packet one-way delay: 24.062 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 291.58 Mbit/s
95th percentile per-packet one-way delay: 23.491 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 250.12 Mbit/s
95th percentile per-packet one-way delay: 24.540 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 198.92 Mbit/s
95th percentile per-packet one-way delay: 25.140 ms
Loss rate: 0.40%

Run 9: Report of Copa — Data Link

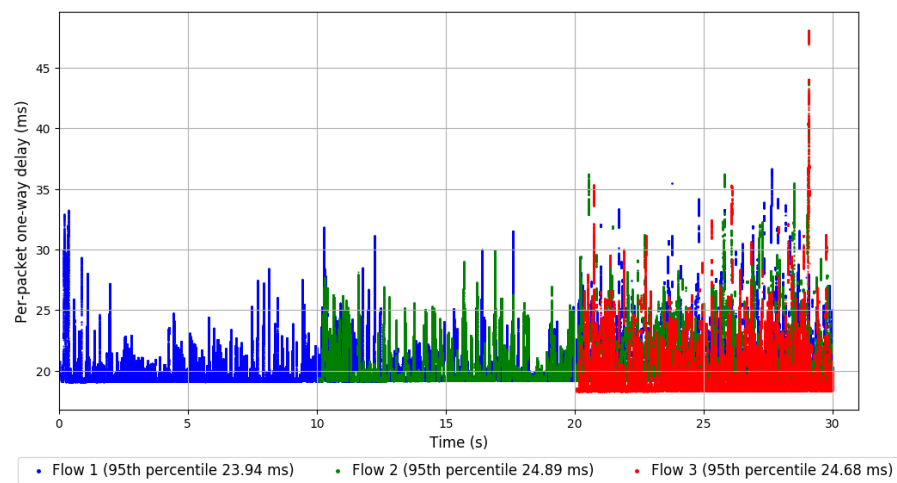
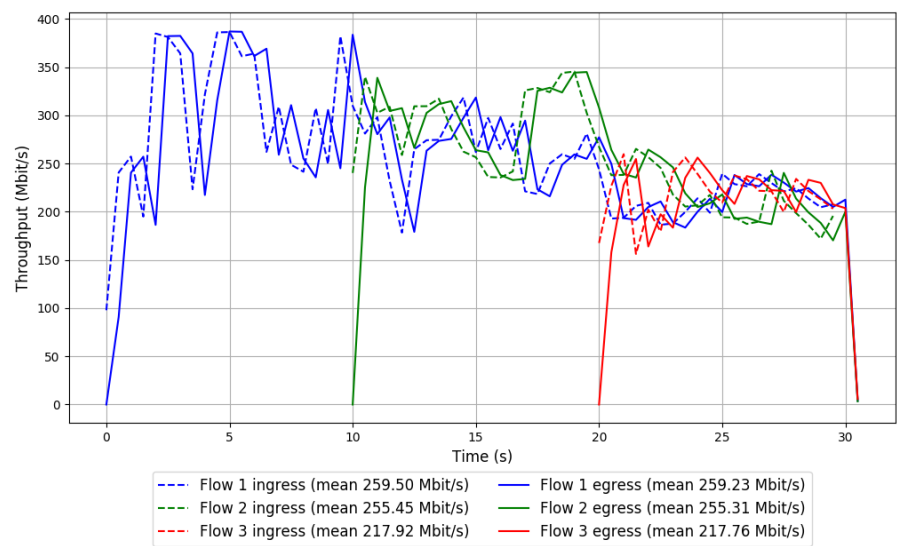


Run 10: Statistics of Copa

Start at: 2018-08-01 11:52:17
End at: 2018-08-01 11:52:47
Local clock offset: 0.402 ms
Remote clock offset: -7.128 ms

Below is generated by plot.py at 2018-08-01 13:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.69 Mbit/s
95th percentile per-packet one-way delay: 24.454 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 259.23 Mbit/s
95th percentile per-packet one-way delay: 23.936 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 255.31 Mbit/s
95th percentile per-packet one-way delay: 24.892 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 217.76 Mbit/s
95th percentile per-packet one-way delay: 24.685 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 08:08:23

End at: 2018-08-01 08:08:53

Local clock offset: -0.086 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-08-01 13:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 444.39 Mbit/s

95th percentile per-packet one-way delay: 19.263 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 285.56 Mbit/s

95th percentile per-packet one-way delay: 19.276 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 121.66 Mbit/s

95th percentile per-packet one-way delay: 19.242 ms

Loss rate: 0.07%

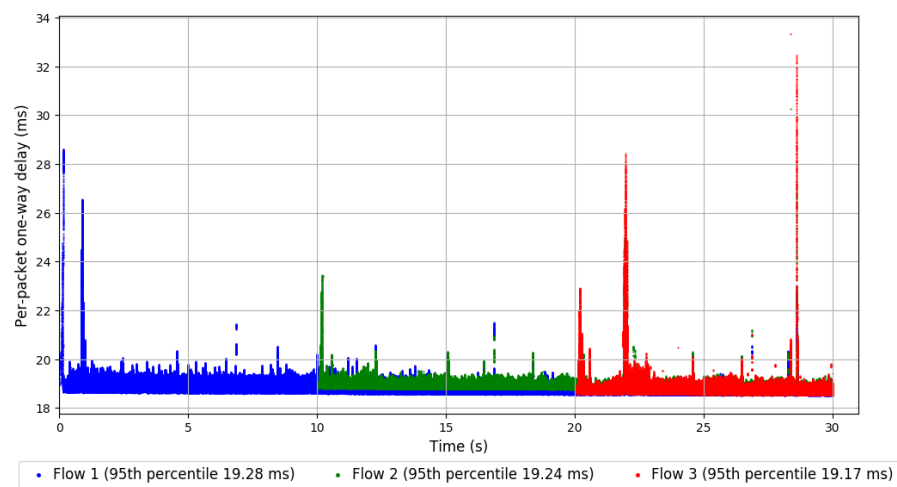
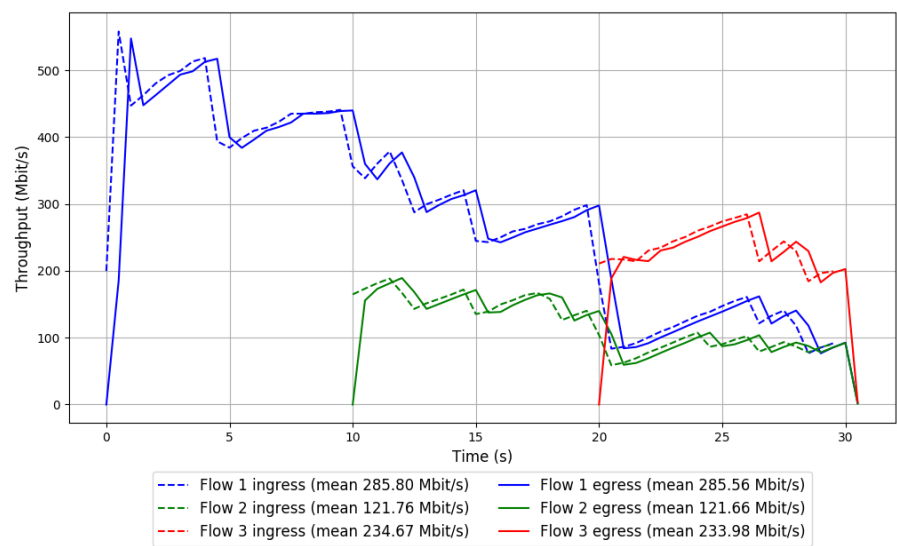
-- Flow 3:

Average throughput: 233.98 Mbit/s

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

Loss rate: 0.29%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 08:35:43

End at: 2018-08-01 08:36:13

Local clock offset: -0.723 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2018-08-01 13:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.43 Mbit/s

95th percentile per-packet one-way delay: 19.354 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 335.38 Mbit/s

95th percentile per-packet one-way delay: 18.639 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 208.62 Mbit/s

95th percentile per-packet one-way delay: 19.483 ms

Loss rate: 0.04%

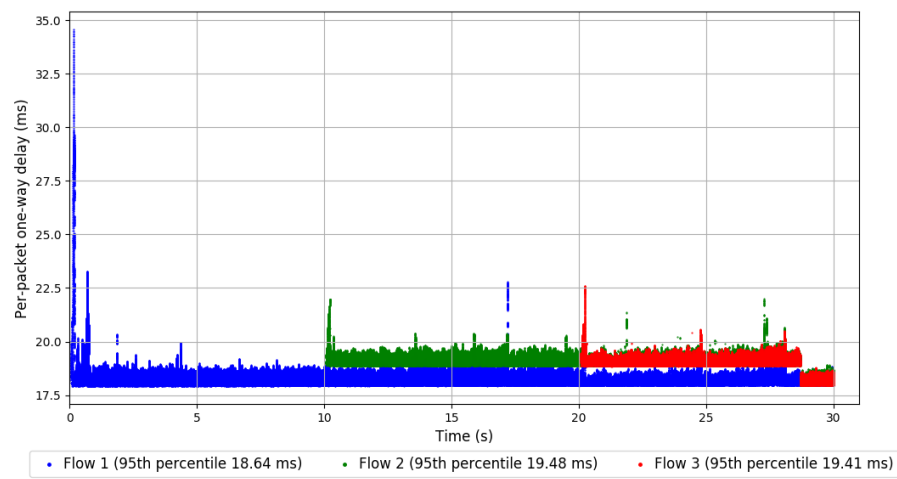
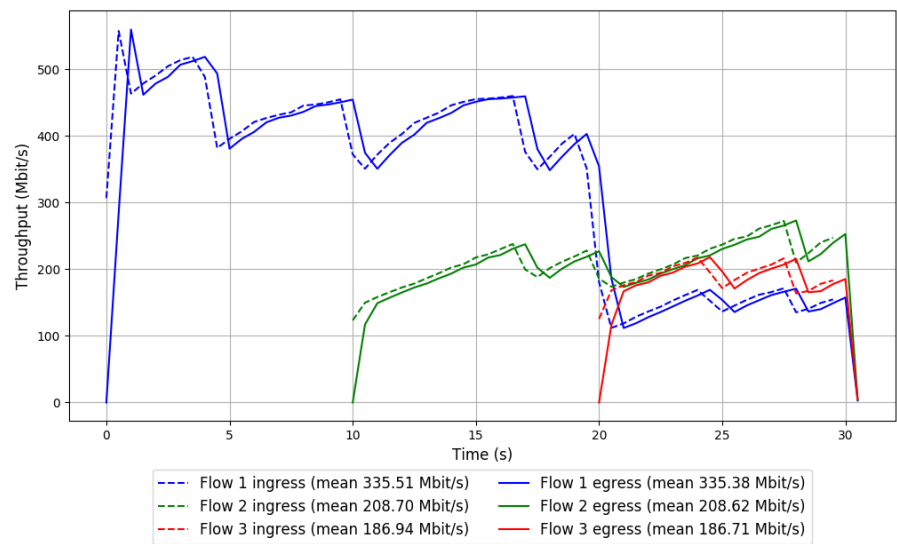
-- Flow 3:

Average throughput: 186.71 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.13%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 09:03:13

End at: 2018-08-01 09:03:43

Local clock offset: -0.473 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-08-01 13:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 545.99 Mbit/s

95th percentile per-packet one-way delay: 19.145 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 374.98 Mbit/s

95th percentile per-packet one-way delay: 19.611 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 161.14 Mbit/s

95th percentile per-packet one-way delay: 18.546 ms

Loss rate: 0.08%

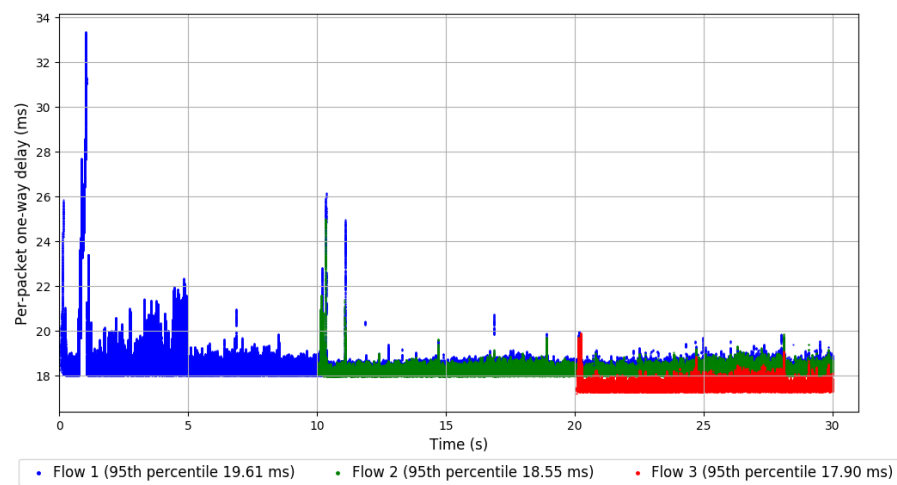
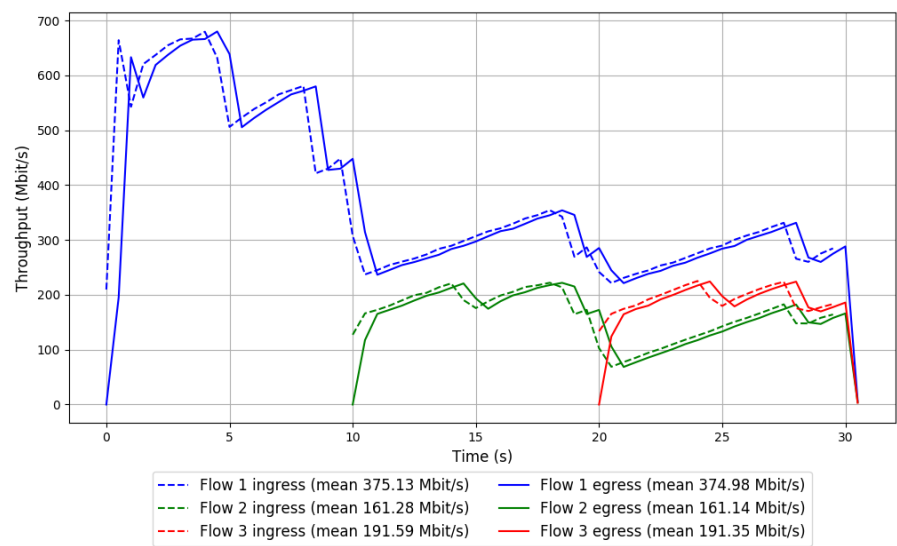
-- Flow 3:

Average throughput: 191.35 Mbit/s

95th percentile per-packet one-way delay: 17.900 ms

Loss rate: 0.12%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 09:30:52

End at: 2018-08-01 09:31:22

Local clock offset: -2.36 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-08-01 13:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 362.47 Mbit/s

95th percentile per-packet one-way delay: 19.038 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 229.96 Mbit/s

95th percentile per-packet one-way delay: 18.684 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 148.75 Mbit/s

95th percentile per-packet one-way delay: 18.541 ms

Loss rate: 0.13%

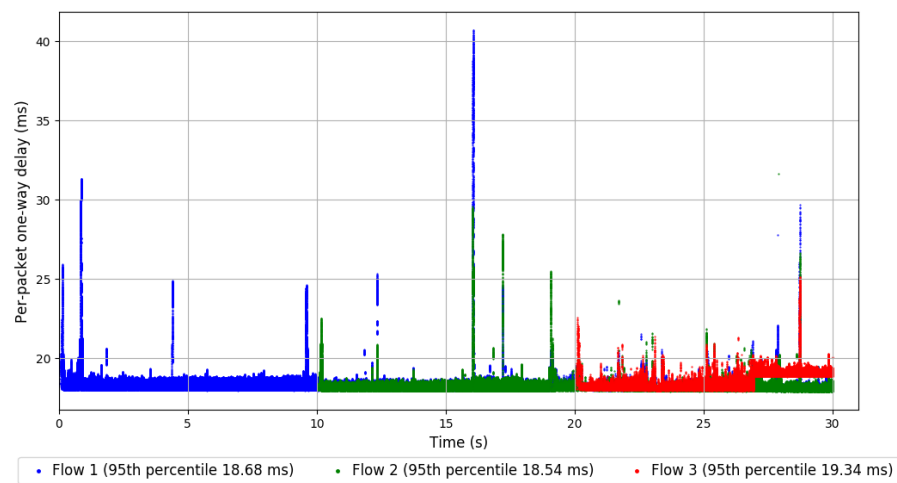
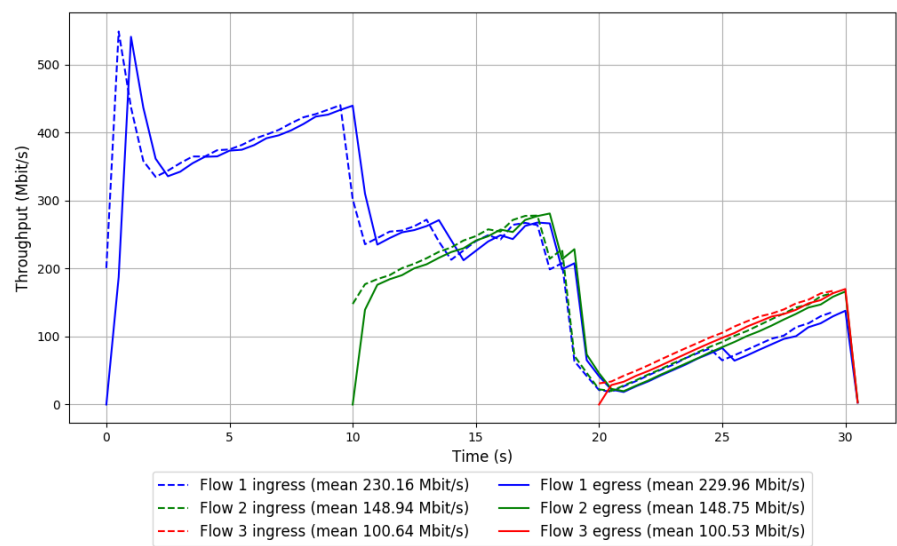
-- Flow 3:

Average throughput: 100.53 Mbit/s

95th percentile per-packet one-way delay: 19.344 ms

Loss rate: 0.09%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 09:58:04

End at: 2018-08-01 09:58:34

Local clock offset: -2.025 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-01 13:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.72 Mbit/s

95th percentile per-packet one-way delay: 19.606 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 149.50 Mbit/s

95th percentile per-packet one-way delay: 18.673 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 19.652 ms

Loss rate: 0.07%

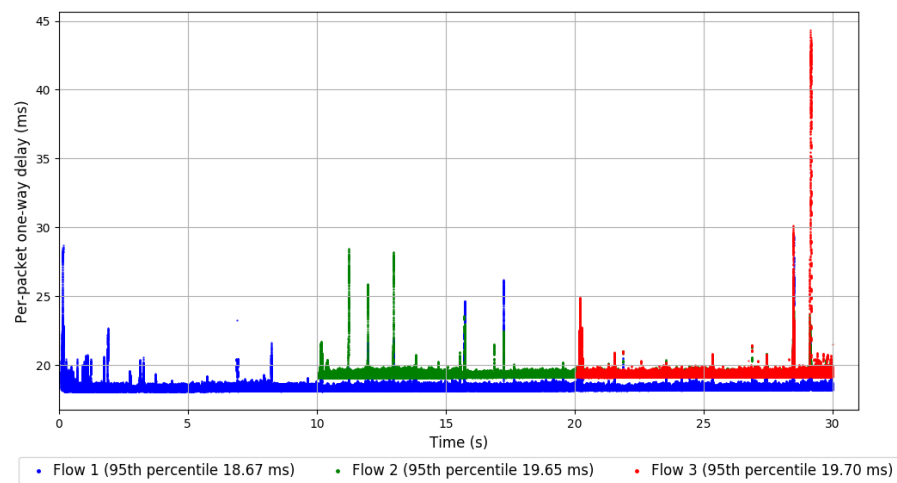
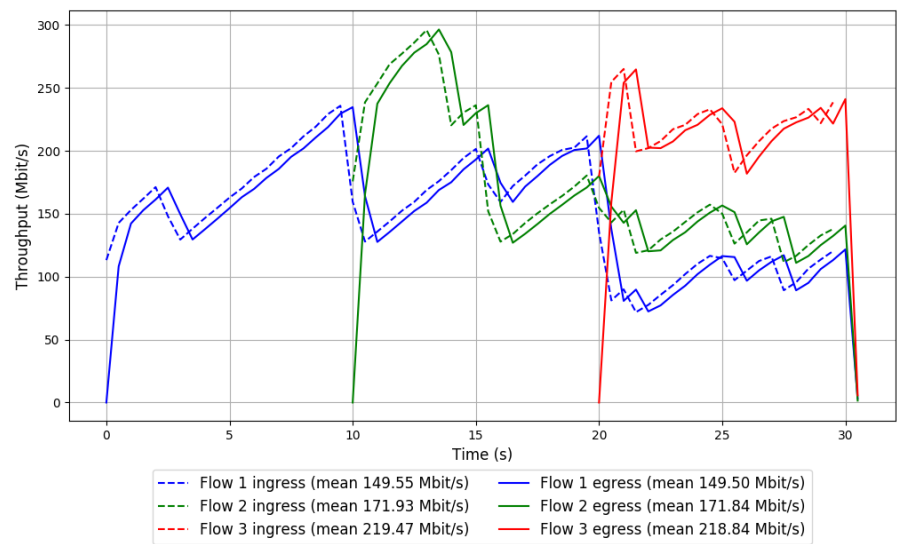
-- Flow 3:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 19.704 ms

Loss rate: 0.27%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 10:25:27

End at: 2018-08-01 10:25:57

Local clock offset: -0.403 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-08-01 13:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.01 Mbit/s

95th percentile per-packet one-way delay: 18.848 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 217.11 Mbit/s

95th percentile per-packet one-way delay: 18.363 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 166.16 Mbit/s

95th percentile per-packet one-way delay: 18.905 ms

Loss rate: 0.08%

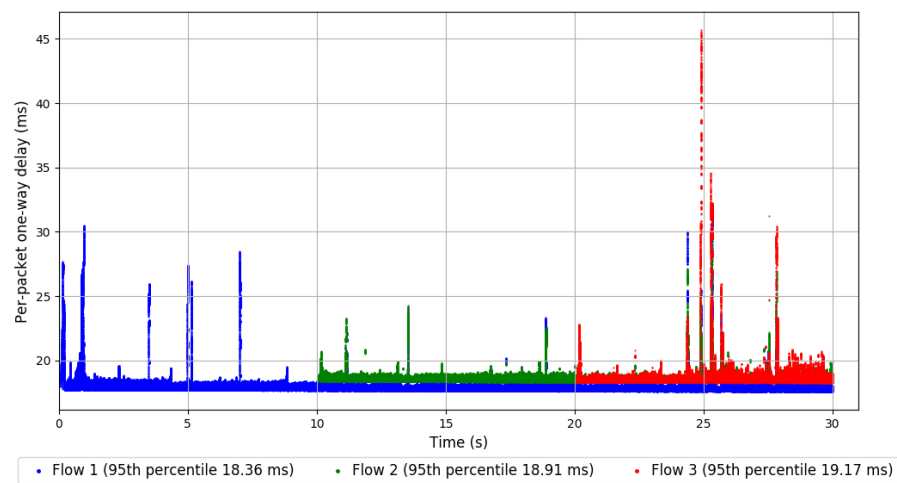
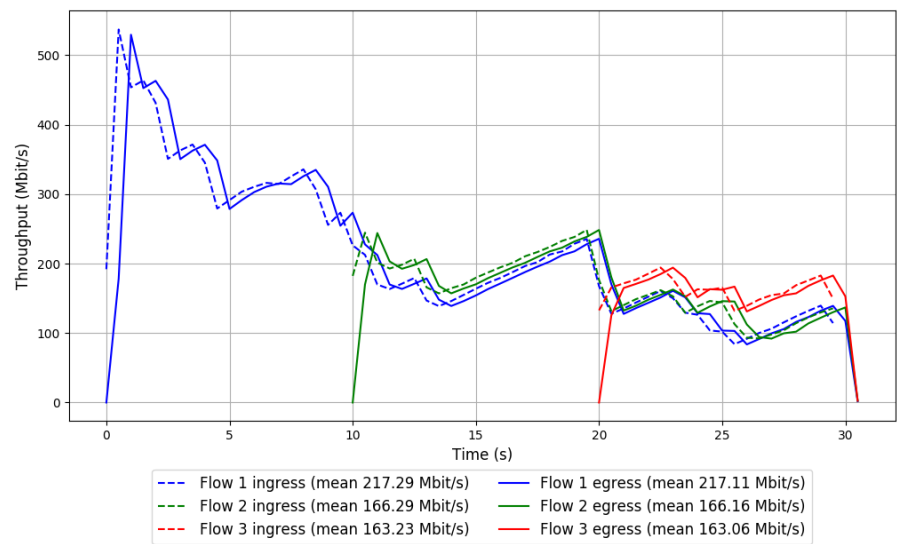
-- Flow 3:

Average throughput: 163.06 Mbit/s

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

Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link

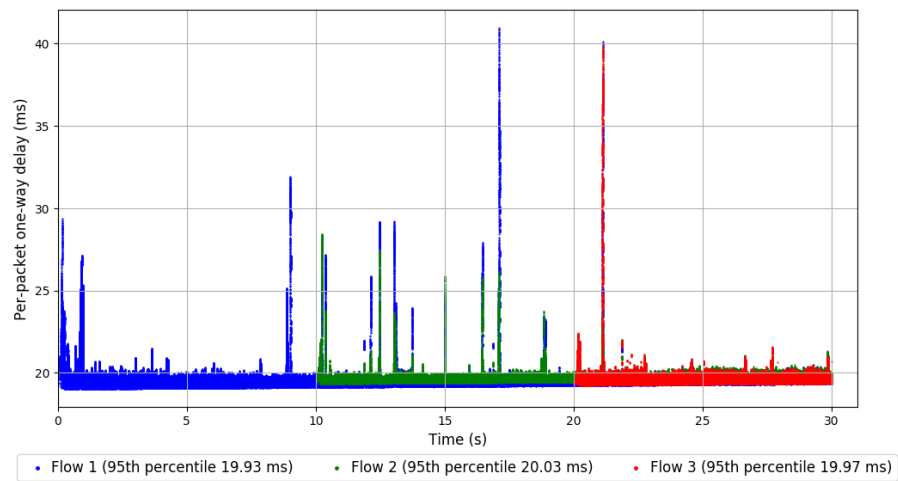
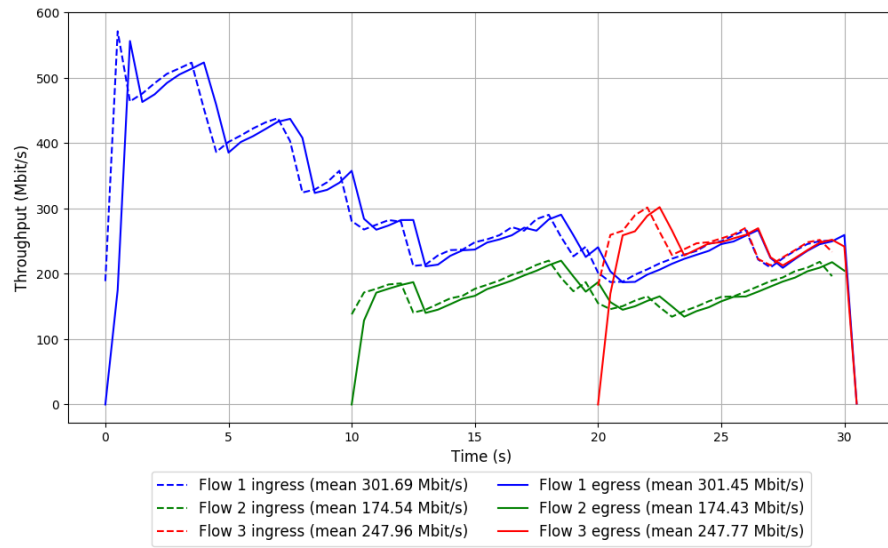


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 10:52:47
End at: 2018-08-01 10:53:17
Local clock offset: -3.739 ms
Remote clock offset: -2.129 ms

Below is generated by plot.py at 2018-08-01 13:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.95 Mbit/s
95th percentile per-packet one-way delay: 19.979 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 301.45 Mbit/s
95th percentile per-packet one-way delay: 19.926 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 174.43 Mbit/s
95th percentile per-packet one-way delay: 20.032 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 247.77 Mbit/s
95th percentile per-packet one-way delay: 19.973 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 11:20:13

End at: 2018-08-01 11:20:43

Local clock offset: 0.59 ms

Remote clock offset: -5.12 ms

Below is generated by plot.py at 2018-08-01 13:06:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 464.94 Mbit/s

95th percentile per-packet one-way delay: 18.473 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 303.61 Mbit/s

95th percentile per-packet one-way delay: 18.142 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 143.88 Mbit/s

95th percentile per-packet one-way delay: 18.514 ms

Loss rate: 0.07%

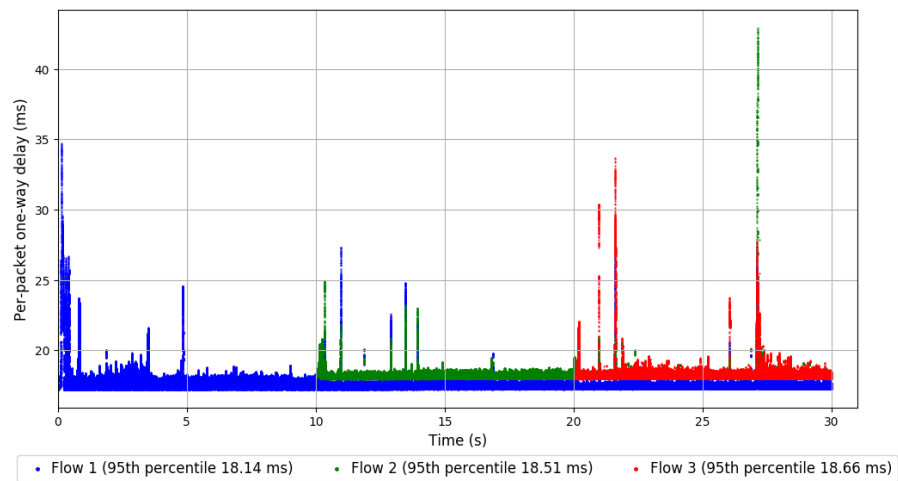
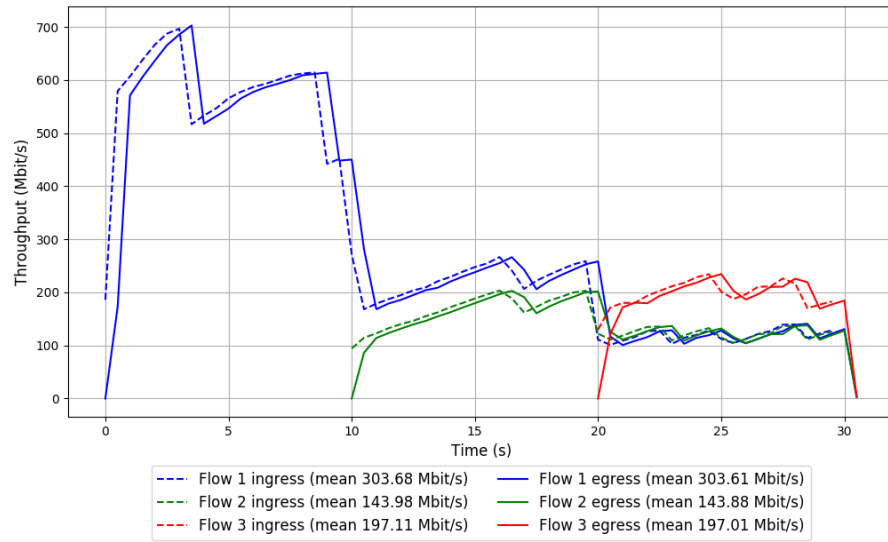
-- Flow 3:

Average throughput: 197.01 Mbit/s

95th percentile per-packet one-way delay: 18.655 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

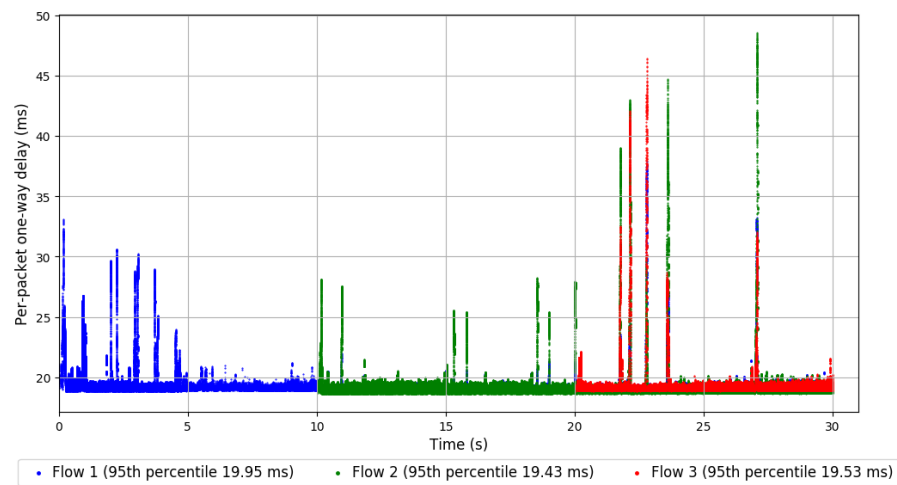
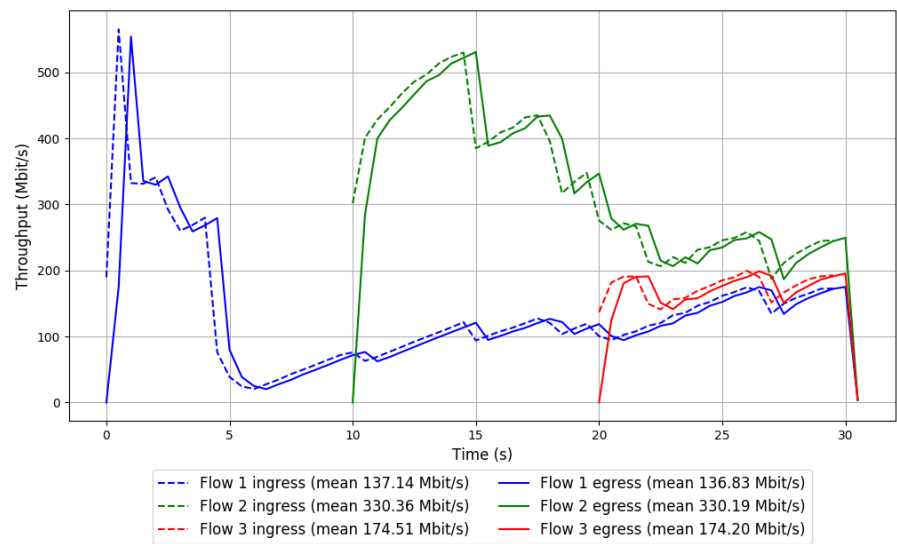


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 11:47:41
End at: 2018-08-01 11:48:11
Local clock offset: 0.48 ms
Remote clock offset: -6.875 ms

Below is generated by plot.py at 2018-08-01 13:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.75 Mbit/s
95th percentile per-packet one-way delay: 19.565 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 136.83 Mbit/s
95th percentile per-packet one-way delay: 19.947 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 330.19 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 174.20 Mbit/s
95th percentile per-packet one-way delay: 19.531 ms
Loss rate: 0.17%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 12:14:55

End at: 2018-08-01 12:15:25

Local clock offset: 3.775 ms

Remote clock offset: 0.807 ms

Below is generated by plot.py at 2018-08-01 13:07:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 353.45 Mbit/s

95th percentile per-packet one-way delay: 20.248 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 209.24 Mbit/s

95th percentile per-packet one-way delay: 19.766 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 98.91 Mbit/s

95th percentile per-packet one-way delay: 18.121 ms

Loss rate: 0.21%

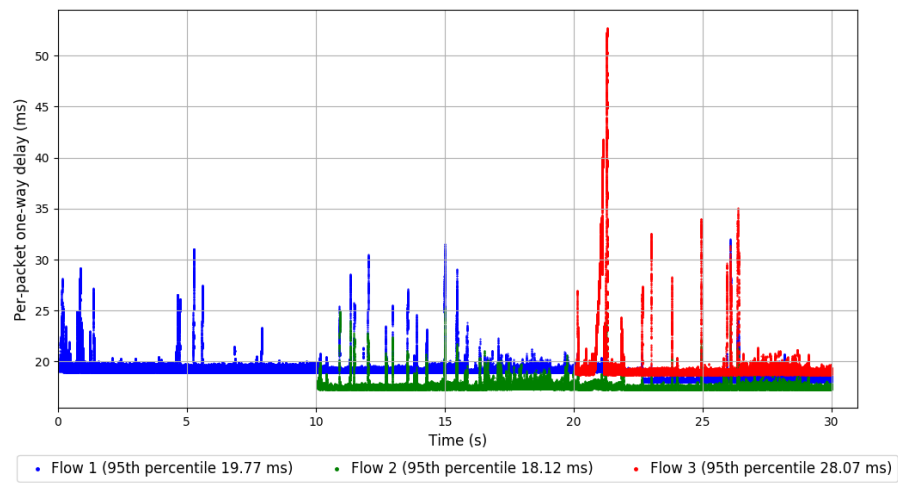
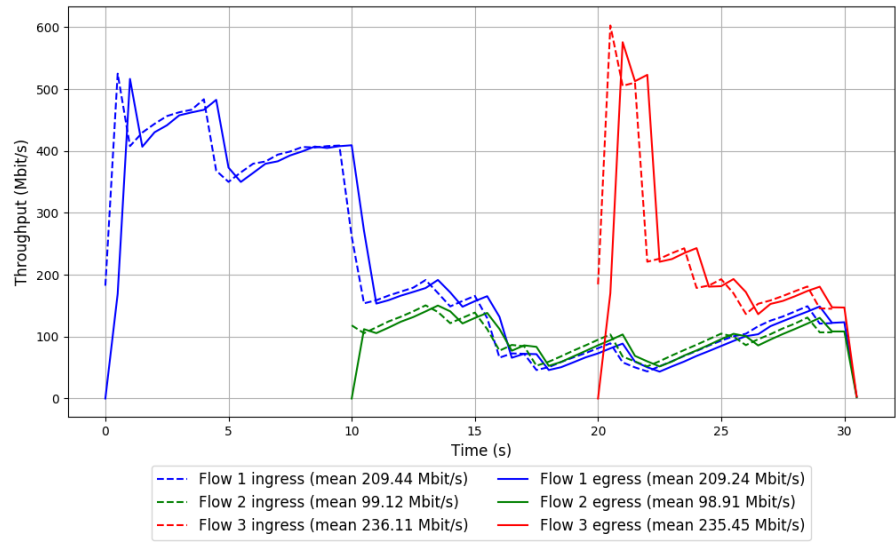
-- Flow 3:

Average throughput: 235.45 Mbit/s

95th percentile per-packet one-way delay: 28.073 ms

Loss rate: 0.28%

Run 10: Report of TCP Cubic — Data Link

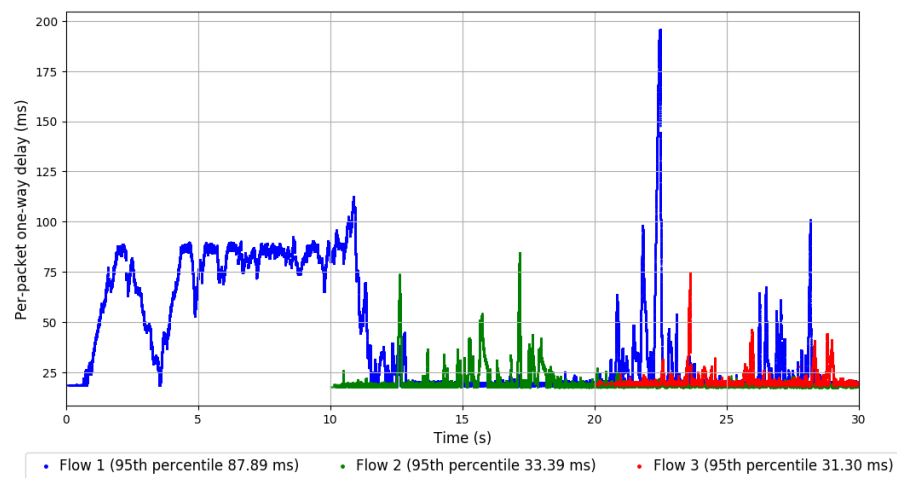
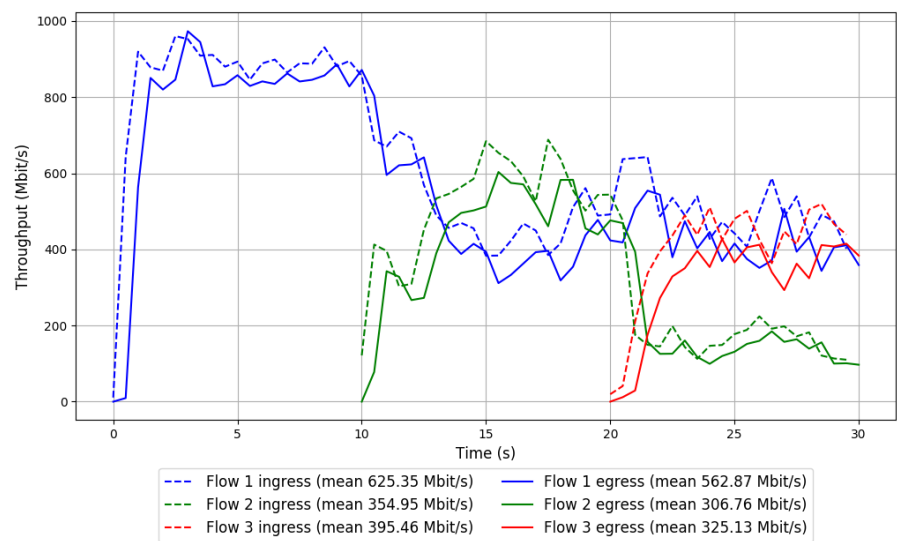


Run 1: Statistics of FillP

Start at: 2018-08-01 07:56:19
End at: 2018-08-01 07:56:49
Local clock offset: 3.354 ms
Remote clock offset: -1.548 ms

Below is generated by plot.py at 2018-08-01 13:16:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 875.10 Mbit/s
95th percentile per-packet one-way delay: 87.205 ms
Loss rate: 11.87%
-- Flow 1:
Average throughput: 562.87 Mbit/s
95th percentile per-packet one-way delay: 87.886 ms
Loss rate: 9.99%
-- Flow 2:
Average throughput: 306.76 Mbit/s
95th percentile per-packet one-way delay: 33.390 ms
Loss rate: 13.57%
-- Flow 3:
Average throughput: 325.13 Mbit/s
95th percentile per-packet one-way delay: 31.303 ms
Loss rate: 17.78%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-01 08:23:41

End at: 2018-08-01 08:24:11

Local clock offset: -1.423 ms

Remote clock offset: 1.448 ms

Below is generated by plot.py at 2018-08-01 13:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 886.74 Mbit/s

95th percentile per-packet one-way delay: 85.481 ms

Loss rate: 13.53%

-- Flow 1:

Average throughput: 519.96 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 10.92%

-- Flow 2:

Average throughput: 418.11 Mbit/s

95th percentile per-packet one-way delay: 42.150 ms

Loss rate: 16.54%

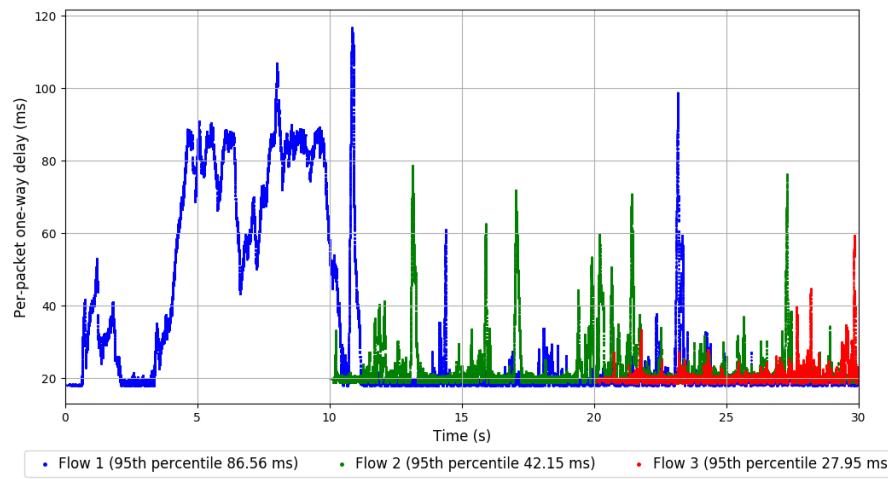
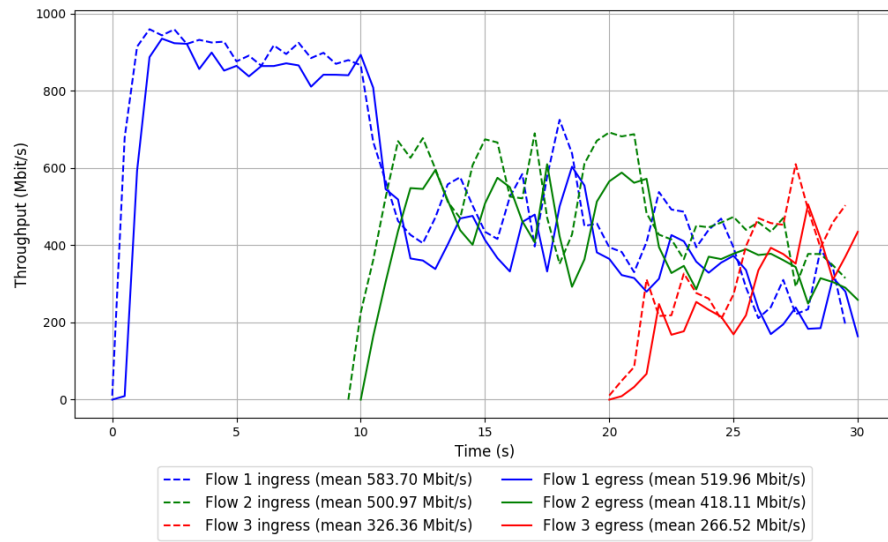
-- Flow 3:

Average throughput: 266.52 Mbit/s

95th percentile per-packet one-way delay: 27.945 ms

Loss rate: 18.33%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-01 08:51:10

End at: 2018-08-01 08:51:40

Local clock offset: -1.045 ms

Remote clock offset: 0.502 ms

Below is generated by plot.py at 2018-08-01 13:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 865.23 Mbit/s

95th percentile per-packet one-way delay: 89.308 ms

Loss rate: 12.44%

-- Flow 1:

Average throughput: 583.20 Mbit/s

95th percentile per-packet one-way delay: 90.226 ms

Loss rate: 10.65%

-- Flow 2:

Average throughput: 275.90 Mbit/s

95th percentile per-packet one-way delay: 20.317 ms

Loss rate: 14.05%

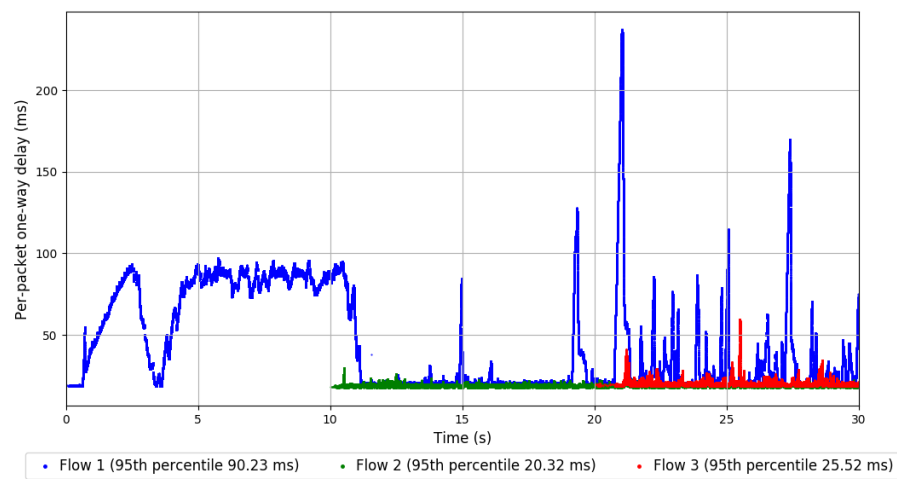
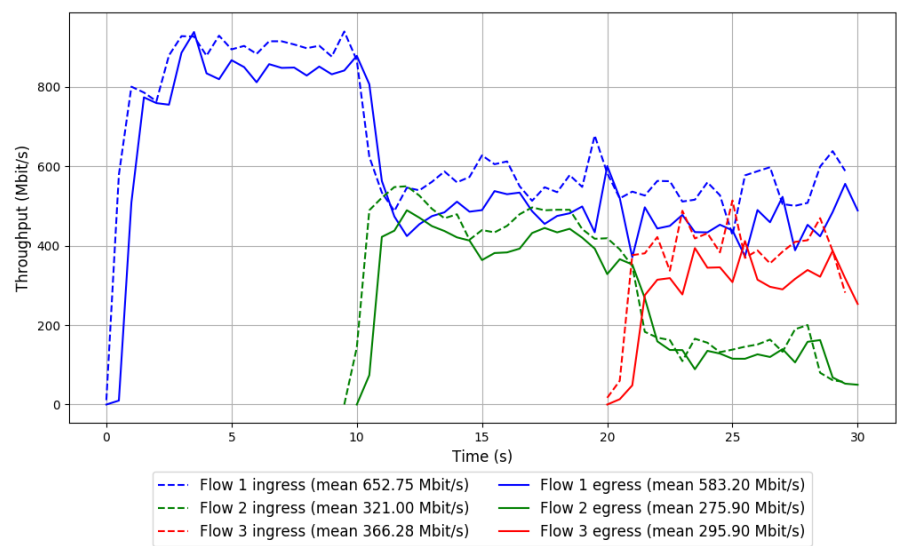
-- Flow 3:

Average throughput: 295.90 Mbit/s

95th percentile per-packet one-way delay: 25.517 ms

Loss rate: 19.20%

Run 3: Report of FillP — Data Link

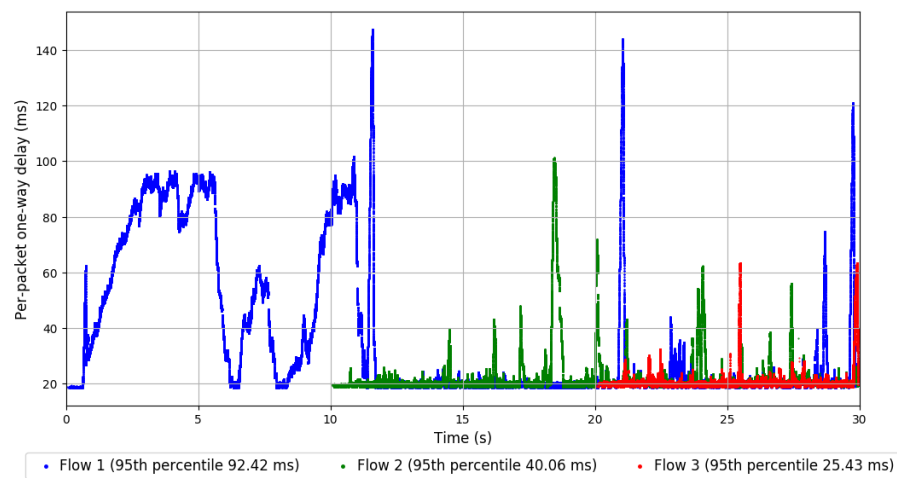
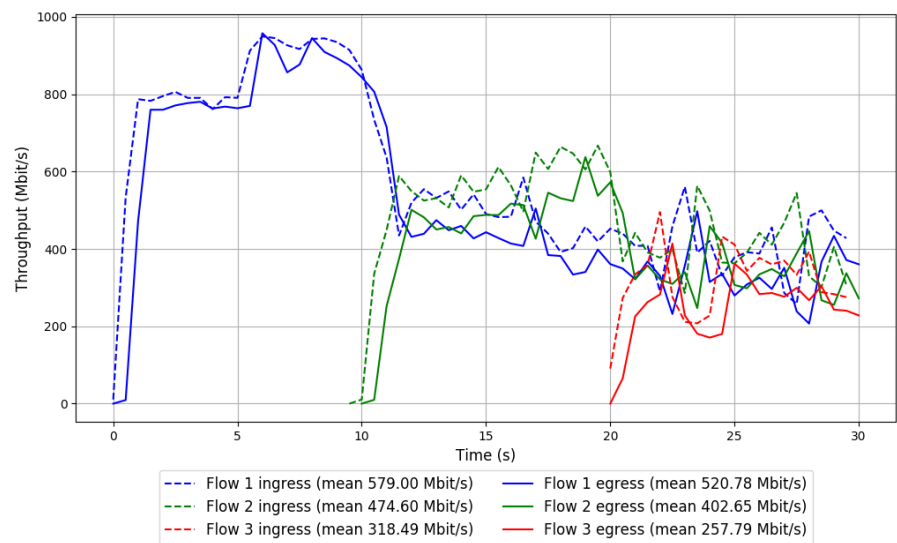


Run 4: Statistics of FillP

Start at: 2018-08-01 09:18:44
End at: 2018-08-01 09:19:14
Local clock offset: -0.393 ms
Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-08-01 13:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.71 Mbit/s
95th percentile per-packet one-way delay: 90.826 ms
Loss rate: 12.61%
-- Flow 1:
Average throughput: 520.78 Mbit/s
95th percentile per-packet one-way delay: 92.421 ms
Loss rate: 10.04%
-- Flow 2:
Average throughput: 402.65 Mbit/s
95th percentile per-packet one-way delay: 40.056 ms
Loss rate: 15.16%
-- Flow 3:
Average throughput: 257.79 Mbit/s
95th percentile per-packet one-way delay: 25.434 ms
Loss rate: 19.05%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-01 09:46:06

End at: 2018-08-01 09:46:36

Local clock offset: -3.885 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-01 13:18:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 848.22 Mbit/s

95th percentile per-packet one-way delay: 92.881 ms

Loss rate: 11.94%

-- Flow 1:

Average throughput: 558.40 Mbit/s

95th percentile per-packet one-way delay: 93.738 ms

Loss rate: 9.56%

-- Flow 2:

Average throughput: 249.10 Mbit/s

95th percentile per-packet one-way delay: 20.311 ms

Loss rate: 14.90%

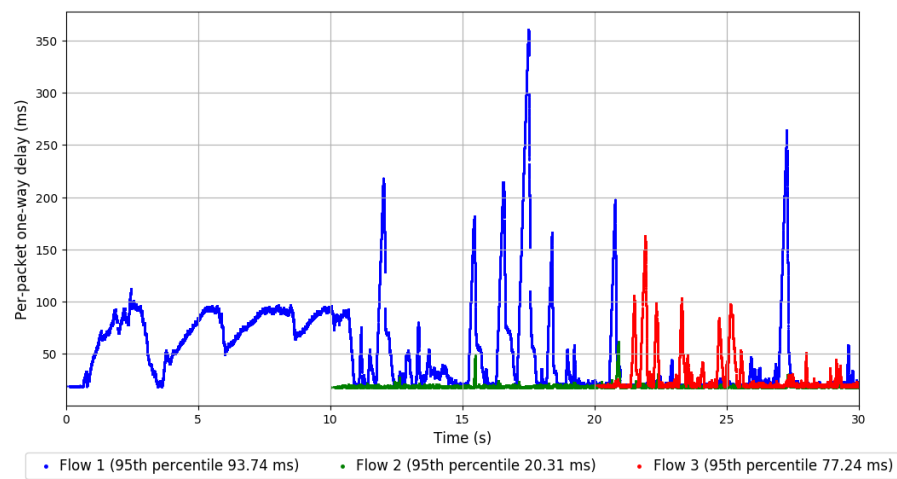
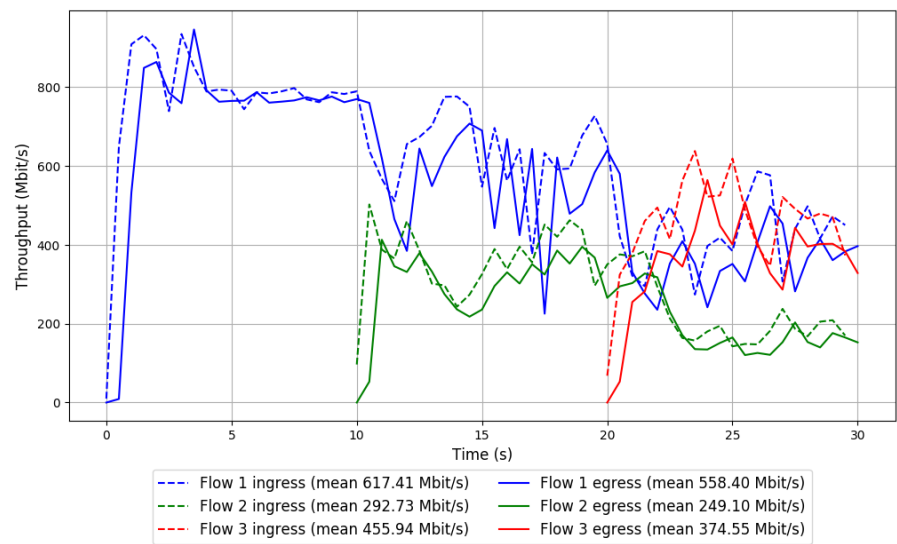
-- Flow 3:

Average throughput: 374.55 Mbit/s

95th percentile per-packet one-way delay: 77.244 ms

Loss rate: 17.86%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-01 10:13:25

End at: 2018-08-01 10:13:55

Local clock offset: 0.135 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-08-01 13:18:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 855.56 Mbit/s

95th percentile per-packet one-way delay: 91.844 ms

Loss rate: 11.91%

-- Flow 1:

Average throughput: 591.87 Mbit/s

95th percentile per-packet one-way delay: 92.548 ms

Loss rate: 9.22%

-- Flow 2:

Average throughput: 206.92 Mbit/s

95th percentile per-packet one-way delay: 20.516 ms

Loss rate: 16.15%

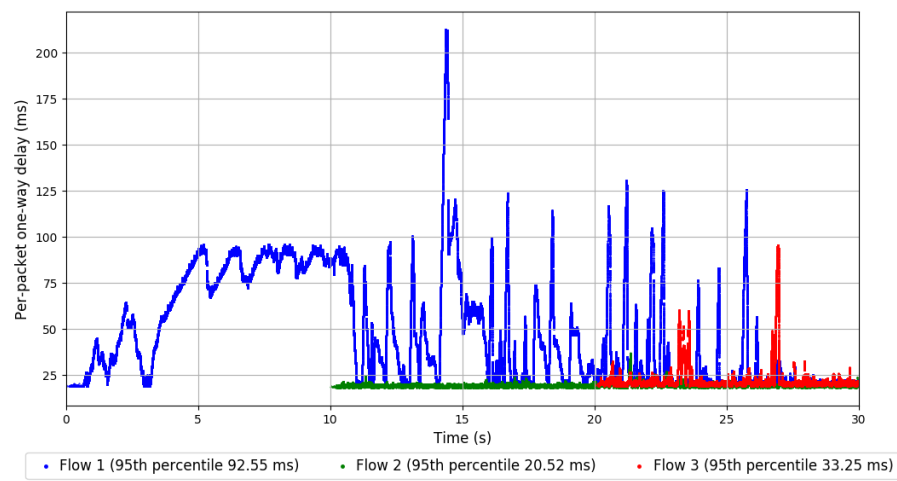
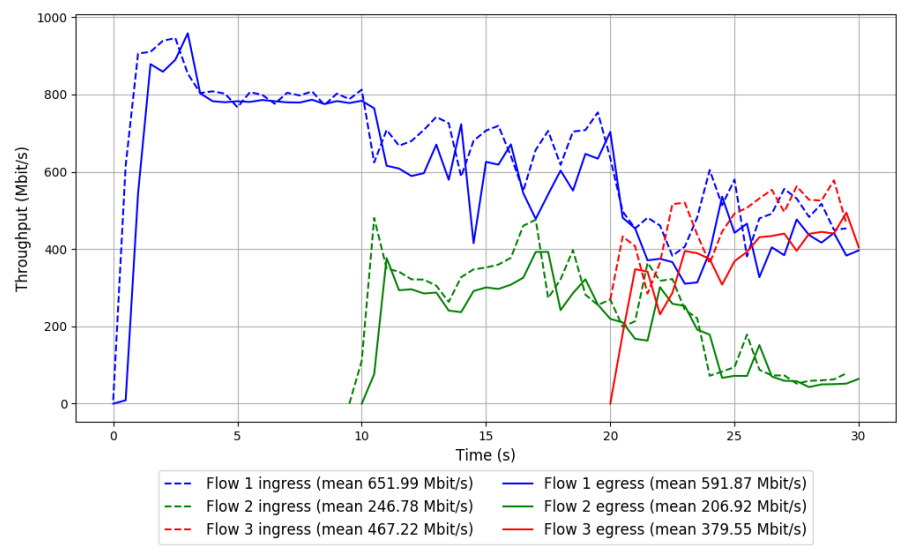
-- Flow 3:

Average throughput: 379.55 Mbit/s

95th percentile per-packet one-way delay: 33.248 ms

Loss rate: 18.75%

Run 6: Report of FillP — Data Link

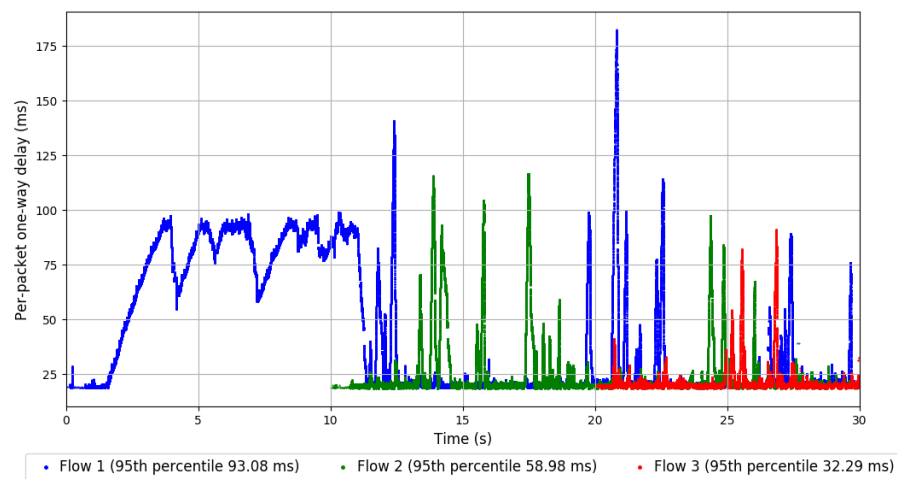
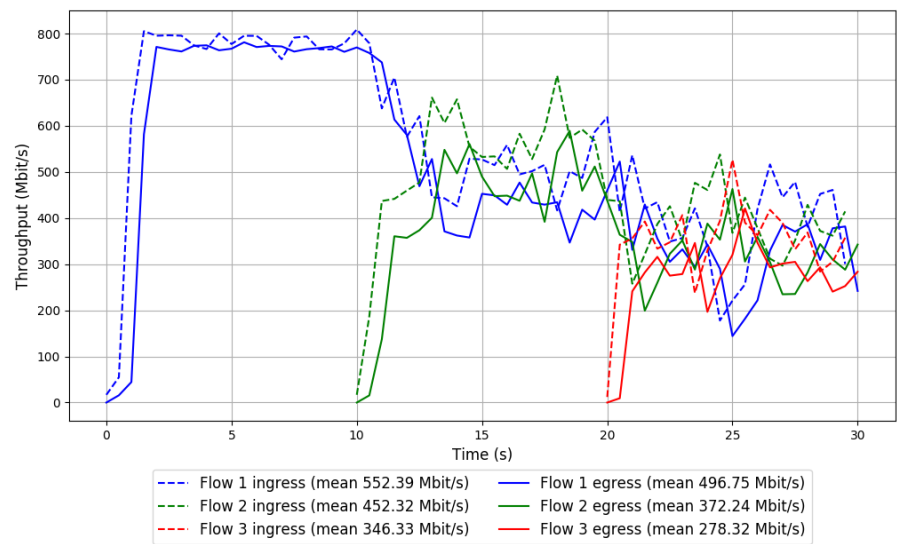


Run 7: Statistics of FillP

Start at: 2018-08-01 10:40:39
End at: 2018-08-01 10:41:09
Local clock offset: -3.111 ms
Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-08-01 13:19:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 837.02 Mbit/s
95th percentile per-packet one-way delay: 92.456 ms
Loss rate: 13.57%
-- Flow 1:
Average throughput: 496.75 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 10.07%
-- Flow 2:
Average throughput: 372.24 Mbit/s
95th percentile per-packet one-way delay: 58.982 ms
Loss rate: 17.70%
-- Flow 3:
Average throughput: 278.32 Mbit/s
95th percentile per-packet one-way delay: 32.288 ms
Loss rate: 19.62%

Run 7: Report of FillP — Data Link

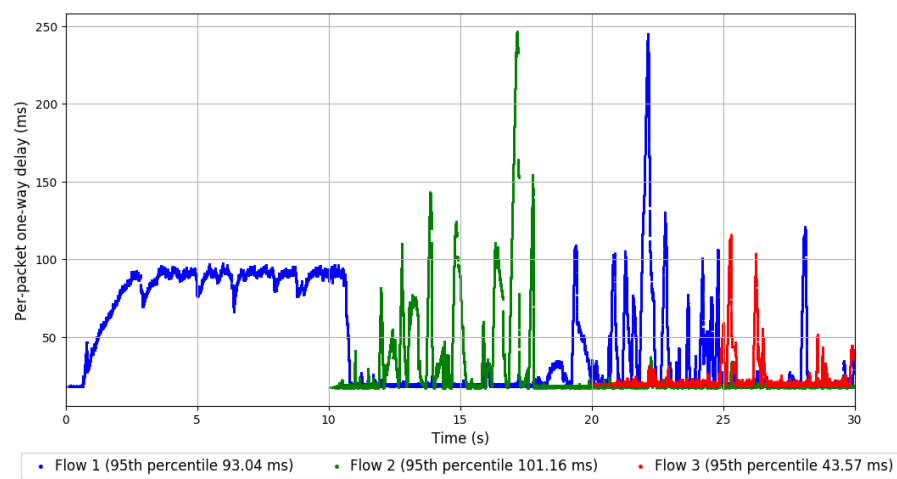
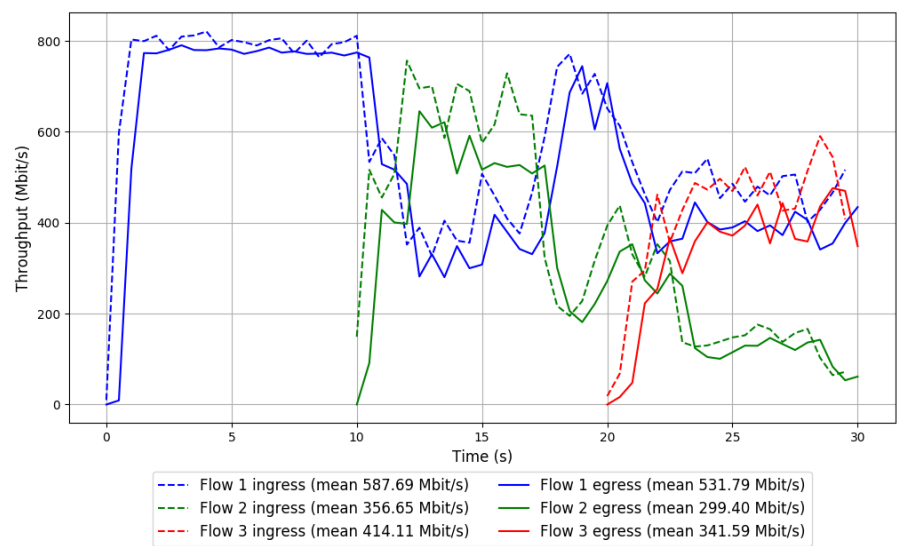


Run 8: Statistics of FillP

Start at: 2018-08-01 11:08:10
End at: 2018-08-01 11:08:40
Local clock offset: -0.128 ms
Remote clock offset: -4.18 ms

```
# Below is generated by plot.py at 2018-08-01 13:19:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 844.56 Mbit/s
95th percentile per-packet one-way delay: 93.023 ms
Loss rate: 12.26%
-- Flow 1:
Average throughput: 531.79 Mbit/s
95th percentile per-packet one-way delay: 93.040 ms
Loss rate: 9.51%
-- Flow 2:
Average throughput: 299.40 Mbit/s
95th percentile per-packet one-way delay: 101.158 ms
Loss rate: 16.05%
-- Flow 3:
Average throughput: 341.59 Mbit/s
95th percentile per-packet one-way delay: 43.572 ms
Loss rate: 17.51%
```

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-01 11:35:37

End at: 2018-08-01 11:36:07

Local clock offset: 0.345 ms

Remote clock offset: -6.07 ms

Below is generated by plot.py at 2018-08-01 13:27:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 841.08 Mbit/s

95th percentile per-packet one-way delay: 92.389 ms

Loss rate: 11.60%

-- Flow 1:

Average throughput: 541.76 Mbit/s

95th percentile per-packet one-way delay: 92.764 ms

Loss rate: 9.40%

-- Flow 2:

Average throughput: 225.92 Mbit/s

95th percentile per-packet one-way delay: 39.682 ms

Loss rate: 15.36%

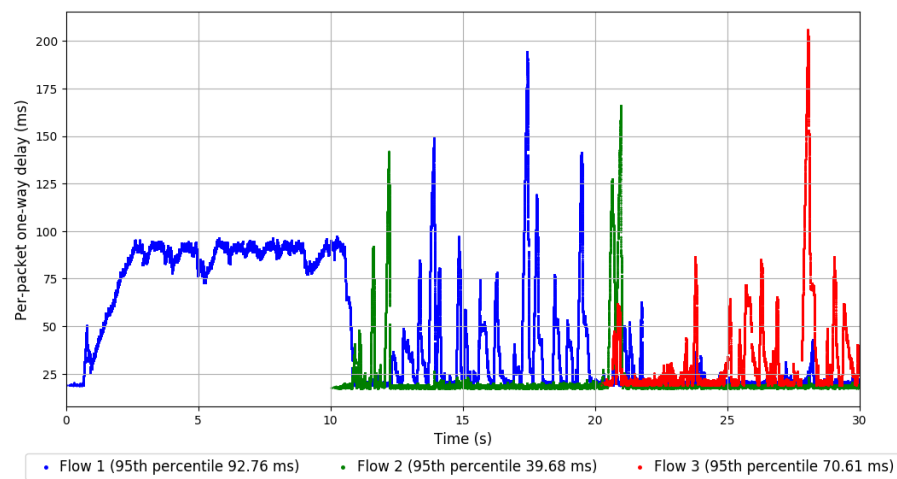
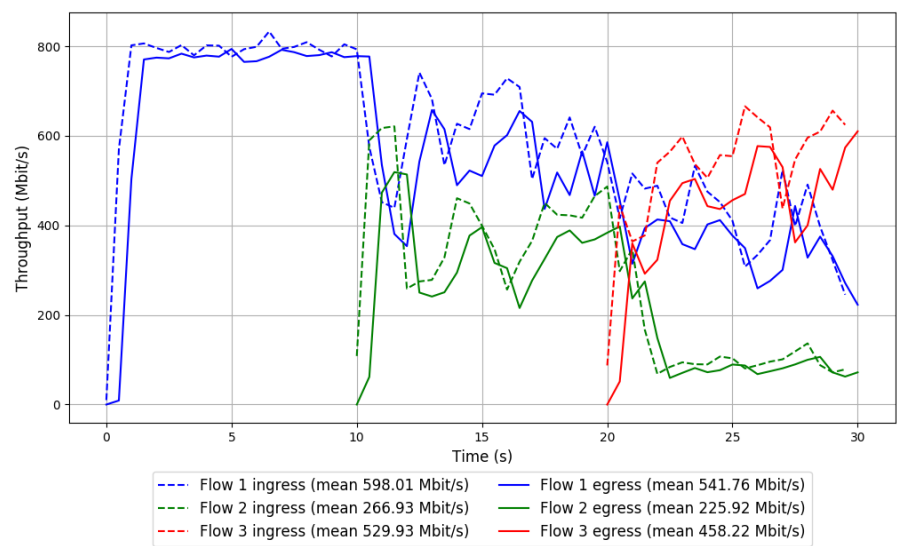
-- Flow 3:

Average throughput: 458.22 Mbit/s

95th percentile per-packet one-way delay: 70.615 ms

Loss rate: 15.28%

Run 9: Report of FillP — Data Link

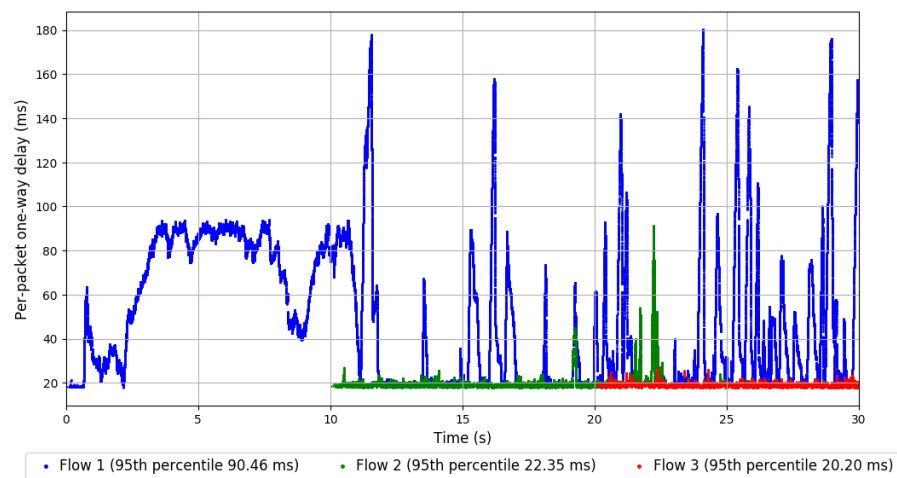
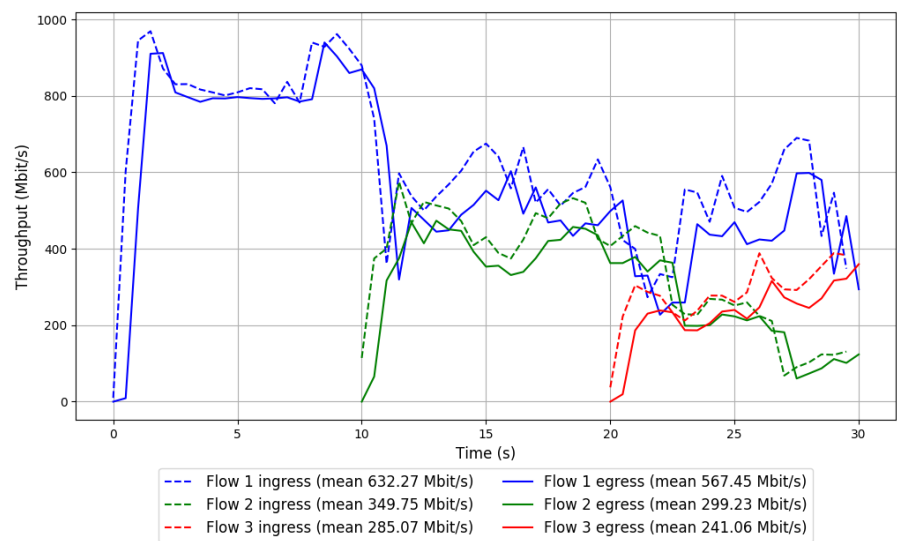


Run 10: Statistics of FillP

Start at: 2018-08-01 12:02:57
End at: 2018-08-01 12:03:27
Local clock offset: 2.656 ms
Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-08-01 13:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 846.57 Mbit/s
95th percentile per-packet one-way delay: 89.855 ms
Loss rate: 11.78%
-- Flow 1:
Average throughput: 567.45 Mbit/s
95th percentile per-packet one-way delay: 90.460 ms
Loss rate: 10.25%
-- Flow 2:
Average throughput: 299.23 Mbit/s
95th percentile per-packet one-way delay: 22.346 ms
Loss rate: 14.45%
-- Flow 3:
Average throughput: 241.06 Mbit/s
95th percentile per-packet one-way delay: 20.203 ms
Loss rate: 15.44%

Run 10: Report of FillP — Data Link

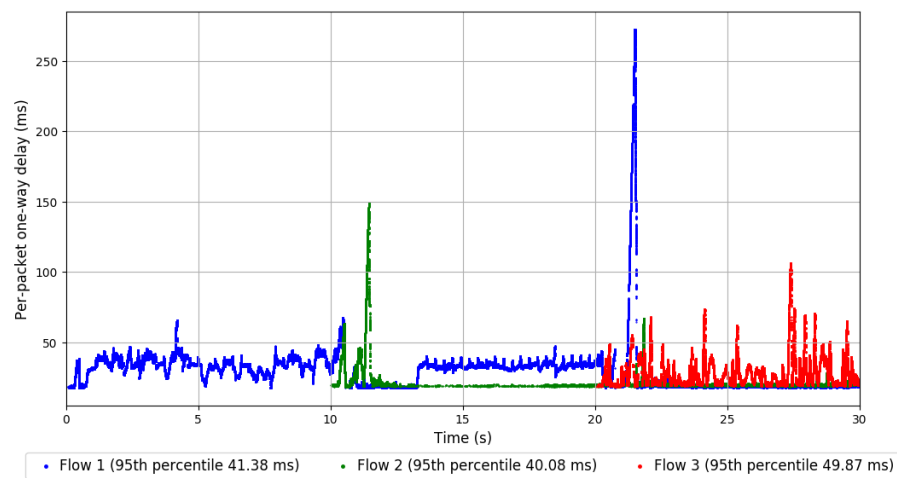
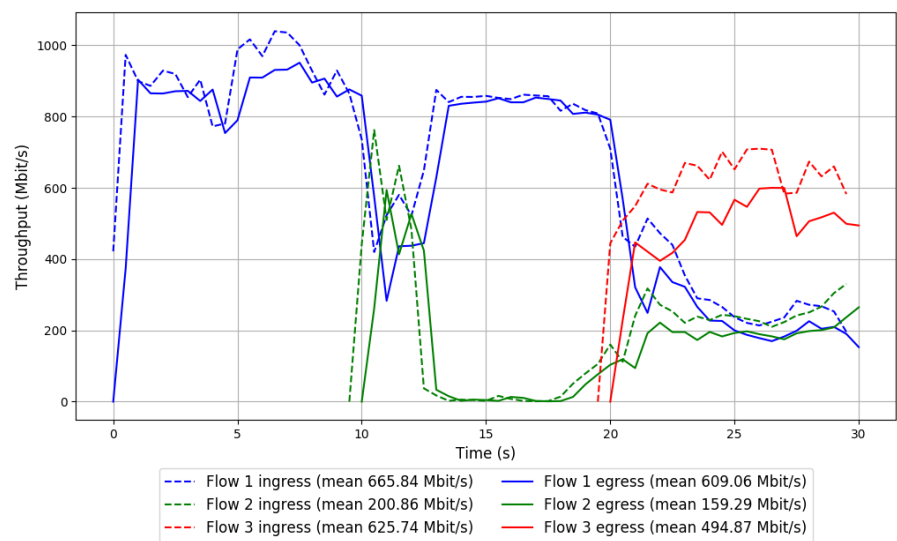


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 07:47:24
End at: 2018-08-01 07:47:54
Local clock offset: 5.213 ms
Remote clock offset: -2.421 ms

Below is generated by plot.py at 2018-08-01 13:29:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 879.56 Mbit/s
95th percentile per-packet one-way delay: 41.926 ms
Loss rate: 12.69%
-- Flow 1:
Average throughput: 609.06 Mbit/s
95th percentile per-packet one-way delay: 41.376 ms
Loss rate: 8.52%
-- Flow 2:
Average throughput: 159.29 Mbit/s
95th percentile per-packet one-way delay: 40.075 ms
Loss rate: 20.69%
-- Flow 3:
Average throughput: 494.87 Mbit/s
95th percentile per-packet one-way delay: 49.874 ms
Loss rate: 20.90%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 08:14:52

End at: 2018-08-01 08:15:22

Local clock offset: -0.833 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2018-08-01 13:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 908.69 Mbit/s

95th percentile per-packet one-way delay: 40.808 ms

Loss rate: 19.68%

-- Flow 1:

Average throughput: 552.76 Mbit/s

95th percentile per-packet one-way delay: 41.606 ms

Loss rate: 16.31%

-- Flow 2:

Average throughput: 416.25 Mbit/s

95th percentile per-packet one-way delay: 36.690 ms

Loss rate: 23.15%

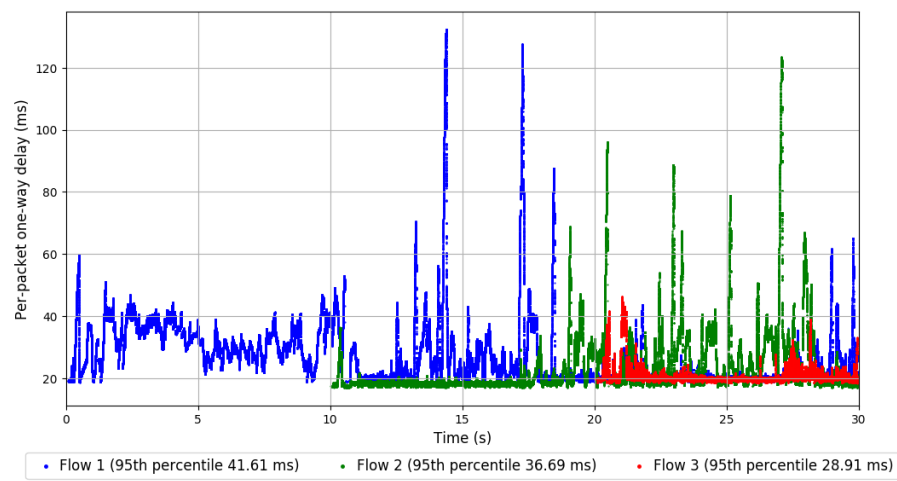
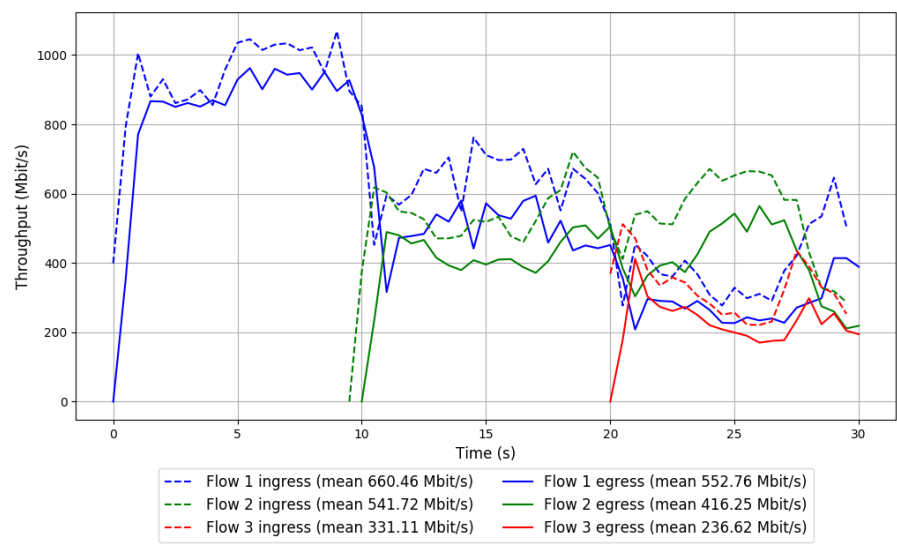
-- Flow 3:

Average throughput: 236.62 Mbit/s

95th percentile per-packet one-way delay: 28.909 ms

Loss rate: 28.55%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 08:42:13

End at: 2018-08-01 08:42:43

Local clock offset: -0.771 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-08-01 13:31:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 916.52 Mbit/s

95th percentile per-packet one-way delay: 40.045 ms

Loss rate: 19.12%

-- Flow 1:

Average throughput: 545.76 Mbit/s

95th percentile per-packet one-way delay: 39.405 ms

Loss rate: 14.69%

-- Flow 2:

Average throughput: 383.84 Mbit/s

95th percentile per-packet one-way delay: 40.551 ms

Loss rate: 24.18%

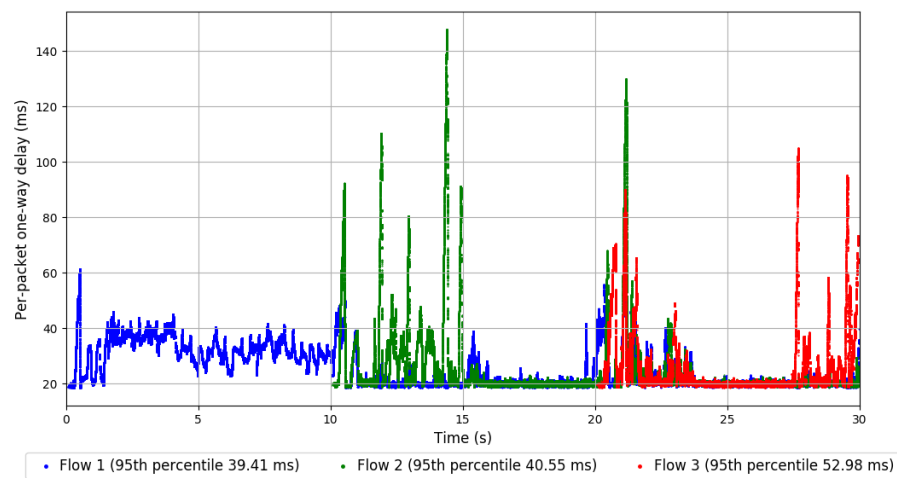
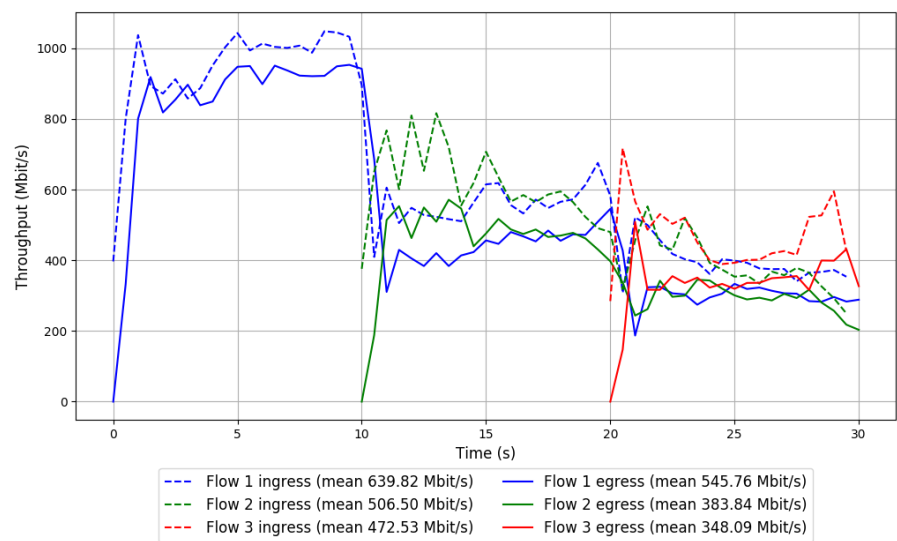
-- Flow 3:

Average throughput: 348.09 Mbit/s

95th percentile per-packet one-way delay: 52.980 ms

Loss rate: 26.33%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 09:09:45

End at: 2018-08-01 09:10:15

Local clock offset: -0.42 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-01 13:31:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 899.66 Mbit/s

95th percentile per-packet one-way delay: 40.783 ms

Loss rate: 20.65%

-- Flow 1:

Average throughput: 549.30 Mbit/s

95th percentile per-packet one-way delay: 41.601 ms

Loss rate: 16.35%

-- Flow 2:

Average throughput: 332.61 Mbit/s

95th percentile per-packet one-way delay: 28.811 ms

Loss rate: 25.57%

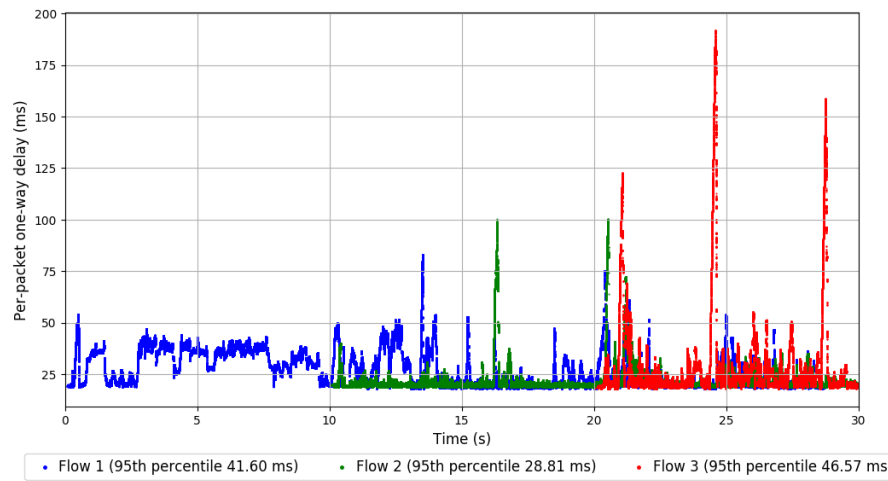
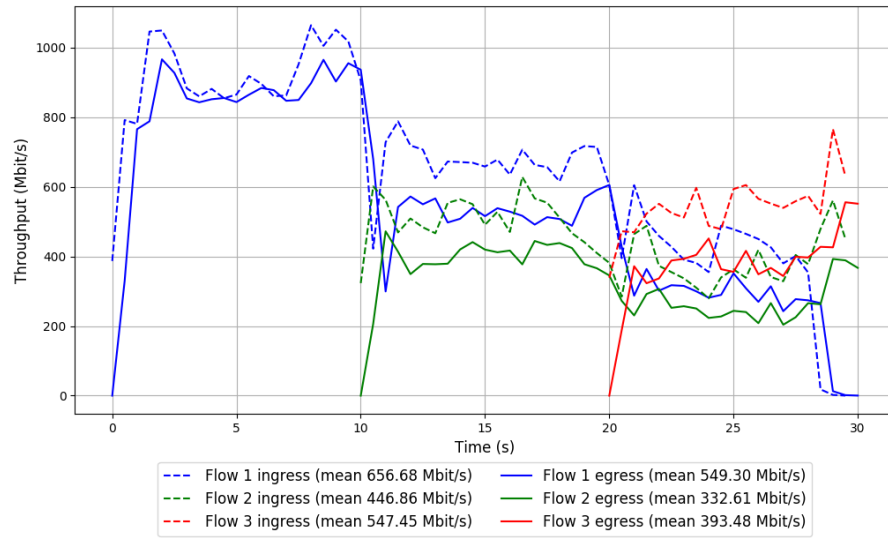
-- Flow 3:

Average throughput: 393.48 Mbit/s

95th percentile per-packet one-way delay: 46.567 ms

Loss rate: 28.11%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 09:37:16

End at: 2018-08-01 09:37:46

Local clock offset: -3.145 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-08-01 13:31:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 820.26 Mbit/s

95th percentile per-packet one-way delay: 38.286 ms

Loss rate: 14.07%

-- Flow 1:

Average throughput: 486.94 Mbit/s

95th percentile per-packet one-way delay: 38.020 ms

Loss rate: 6.16%

-- Flow 2:

Average throughput: 258.46 Mbit/s

95th percentile per-packet one-way delay: 26.273 ms

Loss rate: 23.79%

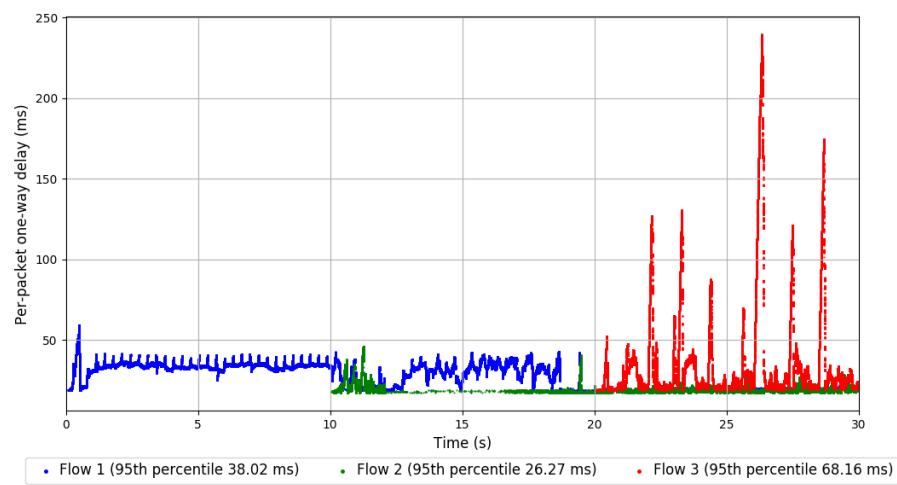
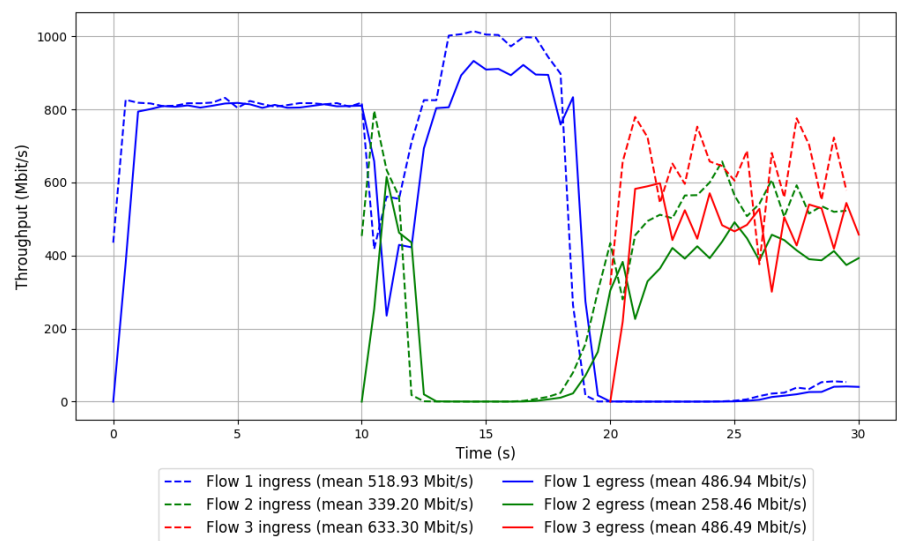
-- Flow 3:

Average throughput: 486.49 Mbit/s

95th percentile per-packet one-way delay: 68.158 ms

Loss rate: 23.18%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 10:04:28

End at: 2018-08-01 10:04:58

Local clock offset: -0.736 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-01 13:32:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 875.99 Mbit/s

95th percentile per-packet one-way delay: 47.715 ms

Loss rate: 14.75%

-- Flow 1:

Average throughput: 653.26 Mbit/s

95th percentile per-packet one-way delay: 48.600 ms

Loss rate: 10.84%

-- Flow 2:

Average throughput: 215.77 Mbit/s

95th percentile per-packet one-way delay: 25.492 ms

Loss rate: 23.32%

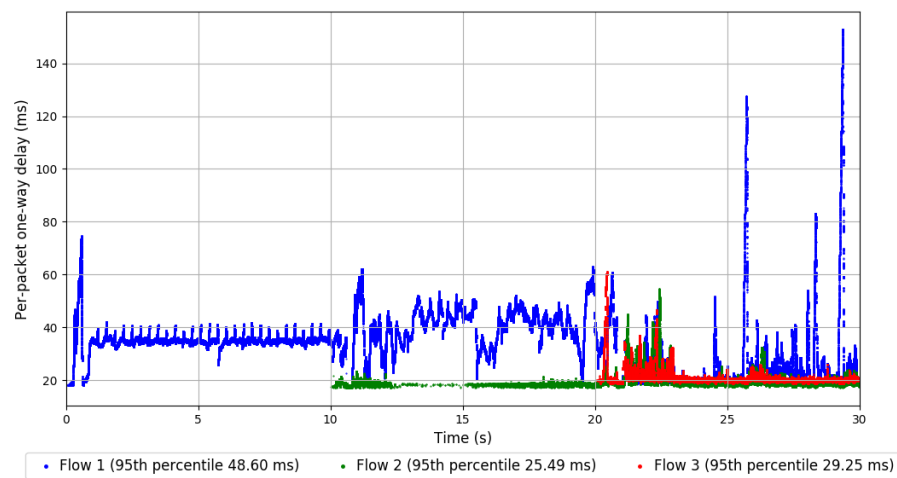
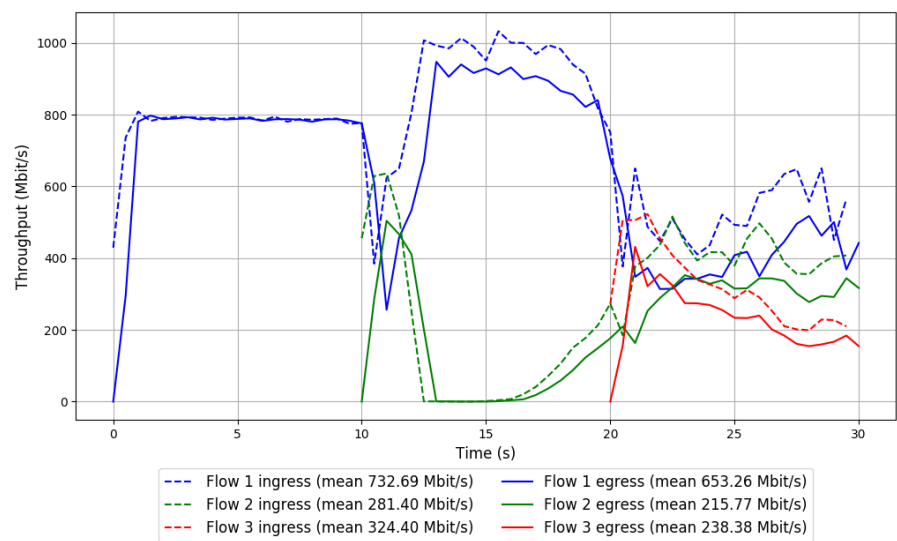
-- Flow 3:

Average throughput: 238.38 Mbit/s

95th percentile per-packet one-way delay: 29.252 ms

Loss rate: 26.51%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 10:31:52

End at: 2018-08-01 10:32:22

Local clock offset: -1.992 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-08-01 13:41:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 875.40 Mbit/s

95th percentile per-packet one-way delay: 39.113 ms

Loss rate: 18.38%

-- Flow 1:

Average throughput: 473.59 Mbit/s

95th percentile per-packet one-way delay: 36.386 ms

Loss rate: 13.55%

-- Flow 2:

Average throughput: 465.04 Mbit/s

95th percentile per-packet one-way delay: 47.271 ms

Loss rate: 22.32%

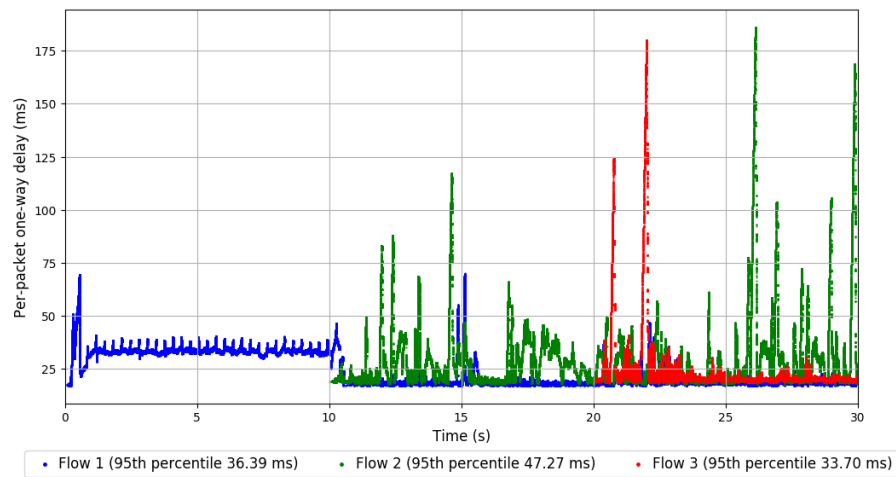
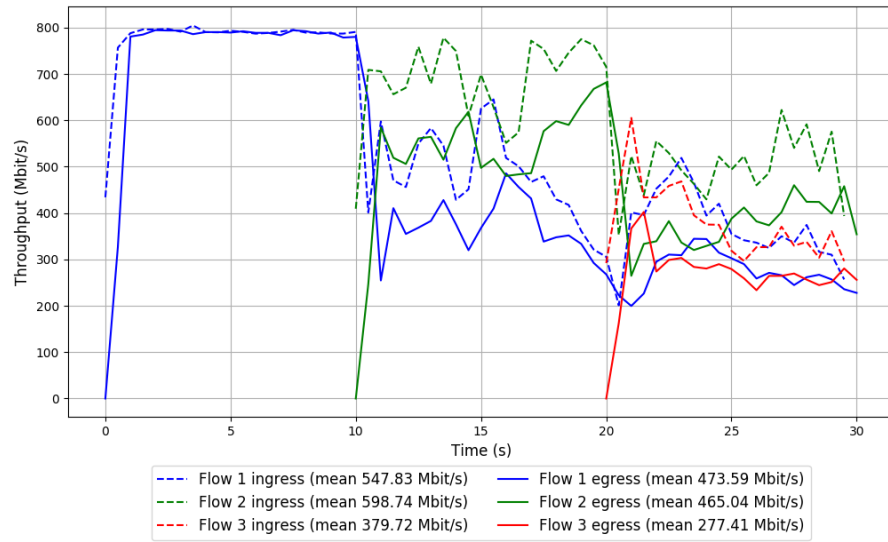
-- Flow 3:

Average throughput: 277.41 Mbit/s

95th percentile per-packet one-way delay: 33.700 ms

Loss rate: 26.94%

Run 7: Report of FillP-Sheep — Data Link

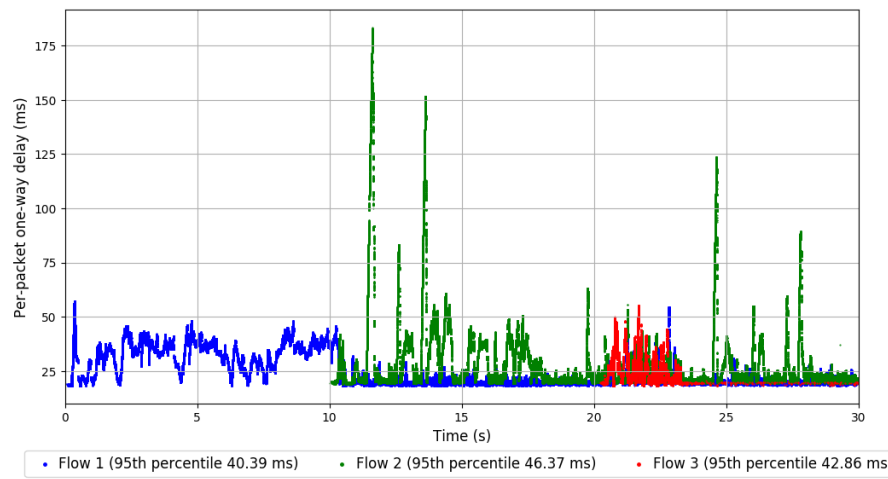
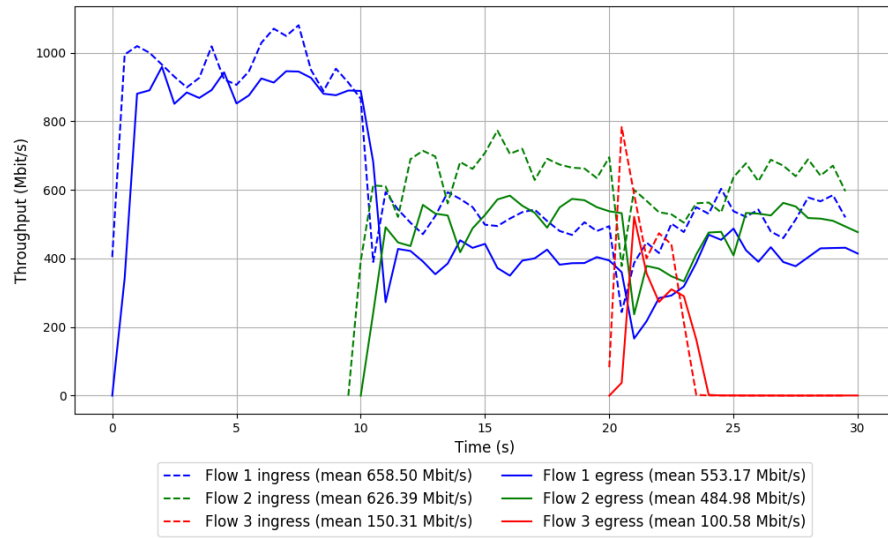


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 10:59:16
End at: 2018-08-01 10:59:46
Local clock offset: -1.576 ms
Remote clock offset: -3.228 ms

```
# Below is generated by plot.py at 2018-08-01 13:42:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.02 Mbit/s
95th percentile per-packet one-way delay: 41.125 ms
Loss rate: 19.25%
-- Flow 1:
Average throughput: 553.17 Mbit/s
95th percentile per-packet one-way delay: 40.386 ms
Loss rate: 15.99%
-- Flow 2:
Average throughput: 484.98 Mbit/s
95th percentile per-packet one-way delay: 46.367 ms
Loss rate: 22.57%
-- Flow 3:
Average throughput: 100.58 Mbit/s
95th percentile per-packet one-way delay: 42.859 ms
Loss rate: 34.44%
```

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 11:26:42

End at: 2018-08-01 11:27:12

Local clock offset: 0.461 ms

Remote clock offset: -5.56 ms

Below is generated by plot.py at 2018-08-01 13:43:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 901.44 Mbit/s

95th percentile per-packet one-way delay: 43.134 ms

Loss rate: 18.77%

-- Flow 1:

Average throughput: 562.74 Mbit/s

95th percentile per-packet one-way delay: 41.828 ms

Loss rate: 15.59%

-- Flow 2:

Average throughput: 284.41 Mbit/s

95th percentile per-packet one-way delay: 42.149 ms

Loss rate: 23.35%

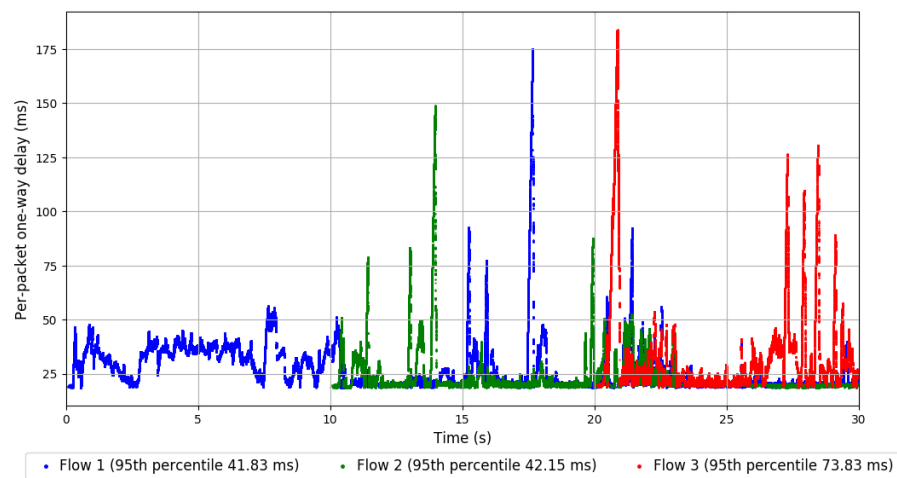
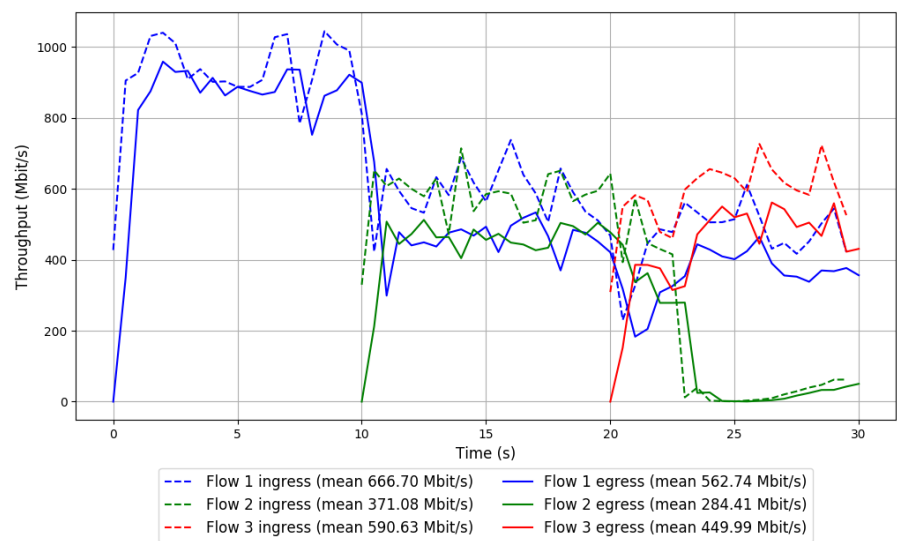
-- Flow 3:

Average throughput: 449.99 Mbit/s

95th percentile per-packet one-way delay: 73.829 ms

Loss rate: 23.79%

Run 9: Report of FillP-Sheep — Data Link

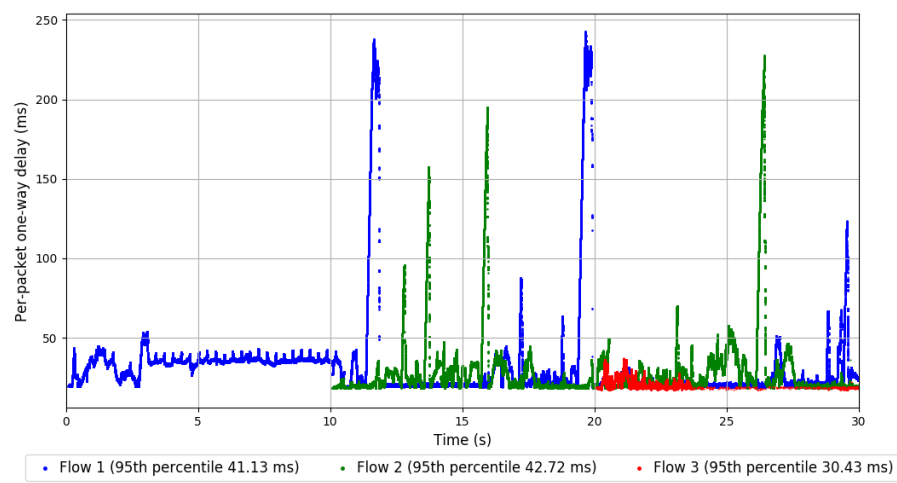
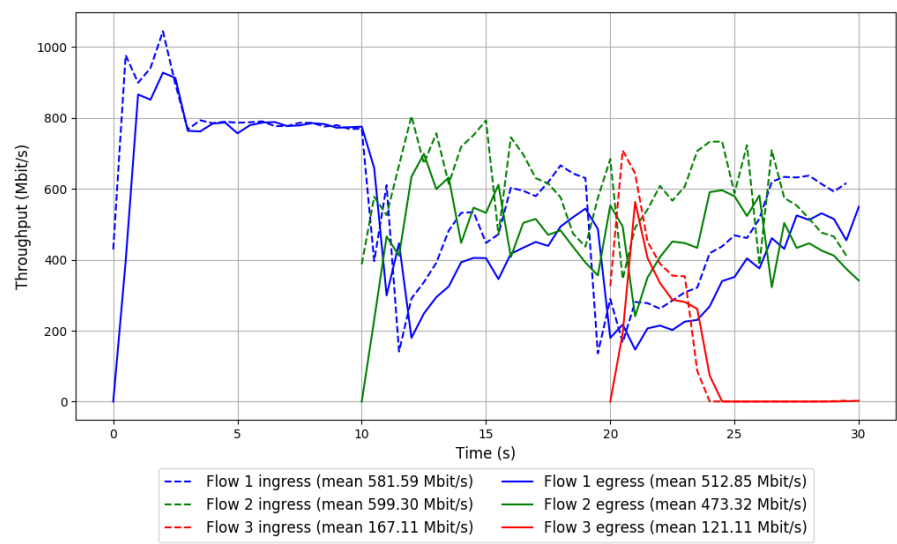


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 11:54:06
End at: 2018-08-01 11:54:36
Local clock offset: 0.87 ms
Remote clock offset: -6.185 ms

Below is generated by plot.py at 2018-08-01 13:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 868.12 Mbit/s
95th percentile per-packet one-way delay: 41.226 ms
Loss rate: 16.20%
-- Flow 1:
Average throughput: 512.85 Mbit/s
95th percentile per-packet one-way delay: 41.129 ms
Loss rate: 11.81%
-- Flow 2:
Average throughput: 473.32 Mbit/s
95th percentile per-packet one-way delay: 42.722 ms
Loss rate: 21.02%
-- Flow 3:
Average throughput: 121.11 Mbit/s
95th percentile per-packet one-way delay: 30.434 ms
Loss rate: 27.53%

Run 10: Report of FillP-Sheep — Data Link

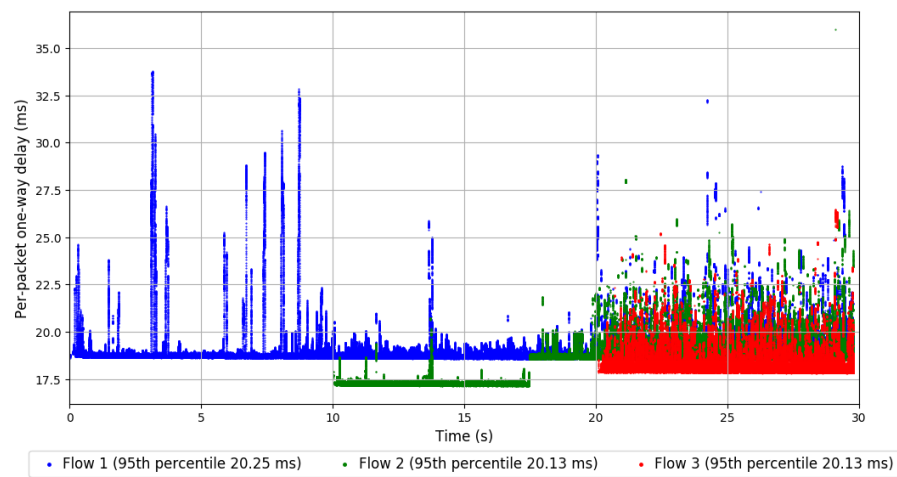
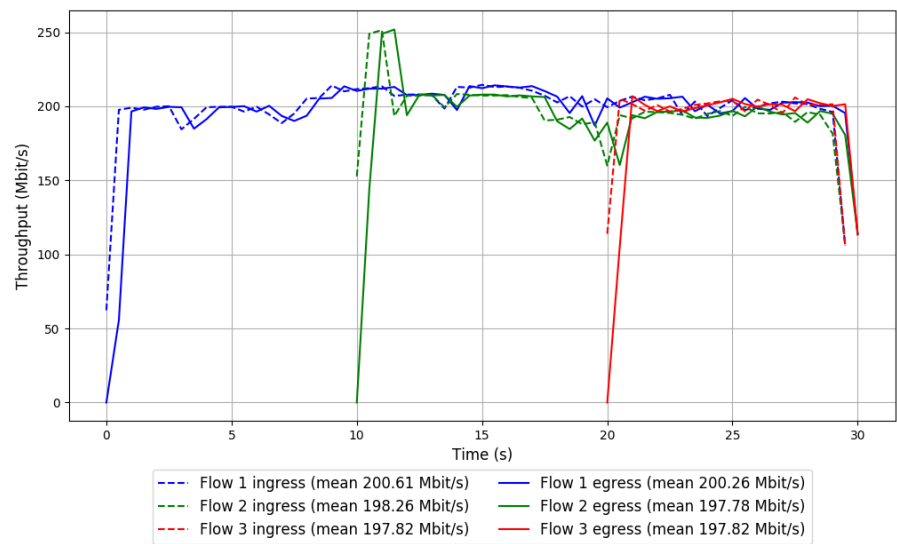


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 08:06:47
End at: 2018-08-01 08:07:17
Local clock offset: 0.204 ms
Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2018-08-01 13:44:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.85 Mbit/s
95th percentile per-packet one-way delay: 20.185 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 200.26 Mbit/s
95th percentile per-packet one-way delay: 20.255 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 197.78 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 197.82 Mbit/s
95th percentile per-packet one-way delay: 20.130 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-01 08:34:08

End at: 2018-08-01 08:34:38

Local clock offset: -0.75 ms

Remote clock offset: 0.92 ms

Below is generated by plot.py at 2018-08-01 13:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.72 Mbit/s

95th percentile per-packet one-way delay: 20.360 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 201.41 Mbit/s

95th percentile per-packet one-way delay: 20.232 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 200.03 Mbit/s

95th percentile per-packet one-way delay: 20.563 ms

Loss rate: 0.18%

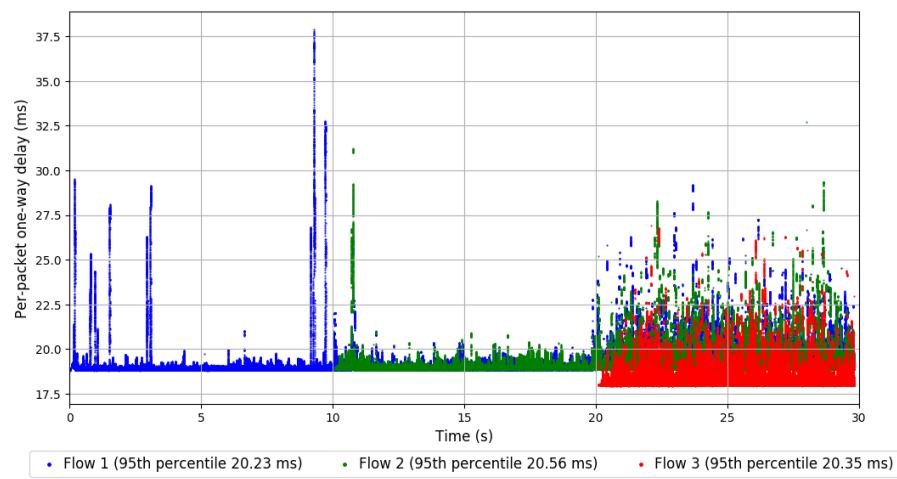
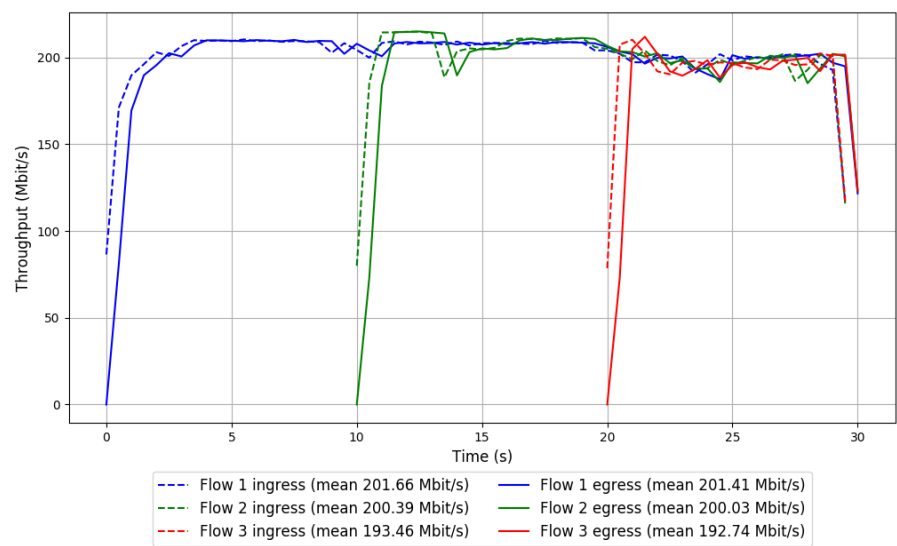
-- Flow 3:

Average throughput: 192.74 Mbit/s

95th percentile per-packet one-way delay: 20.349 ms

Loss rate: 0.35%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-01 09:01:38

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

Local clock offset: -0.432 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2018-08-01 13:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.03 Mbit/s

95th percentile per-packet one-way delay: 20.390 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 19.969 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 195.24 Mbit/s

95th percentile per-packet one-way delay: 20.478 ms

Loss rate: 0.65%

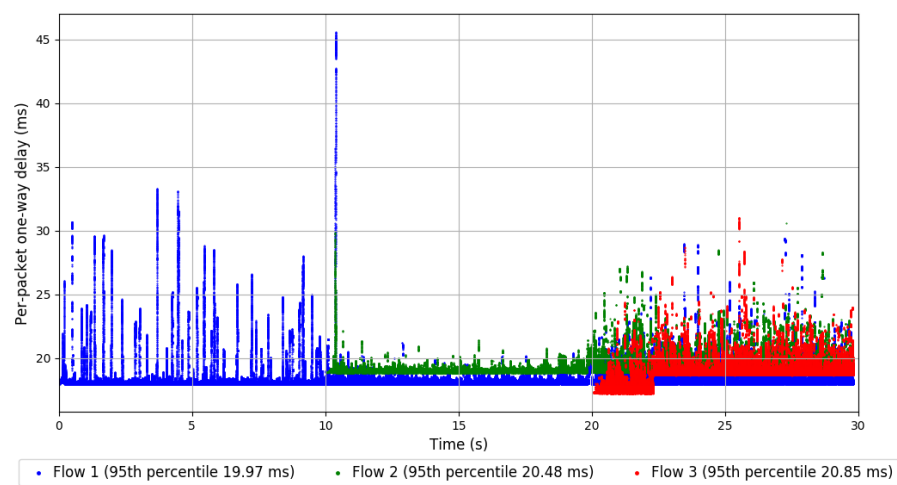
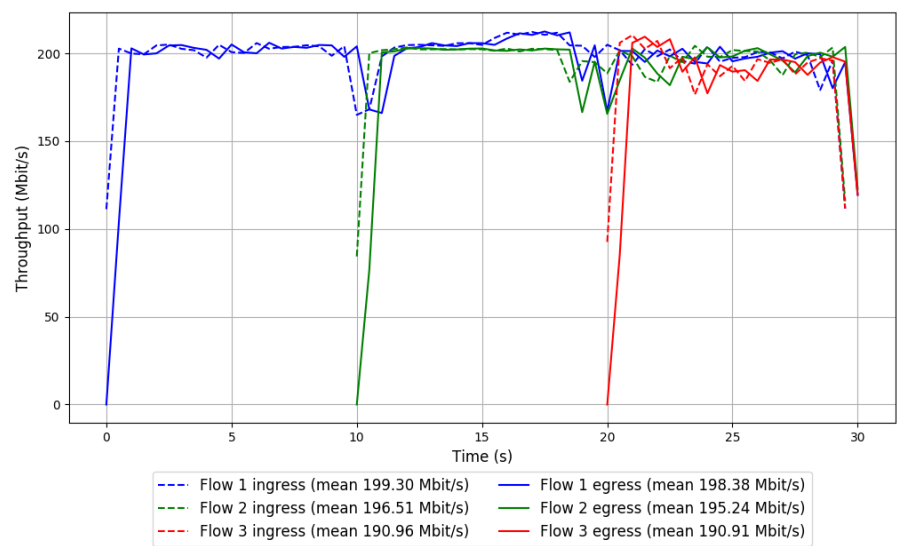
-- Flow 3:

Average throughput: 190.91 Mbit/s

95th percentile per-packet one-way delay: 20.853 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 09:29:16

End at: 2018-08-01 09:29:46

Local clock offset: -1.999 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-08-01 13:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.71 Mbit/s

95th percentile per-packet one-way delay: 20.352 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 205.29 Mbit/s

95th percentile per-packet one-way delay: 19.894 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 203.68 Mbit/s

95th percentile per-packet one-way delay: 20.316 ms

Loss rate: 0.00%

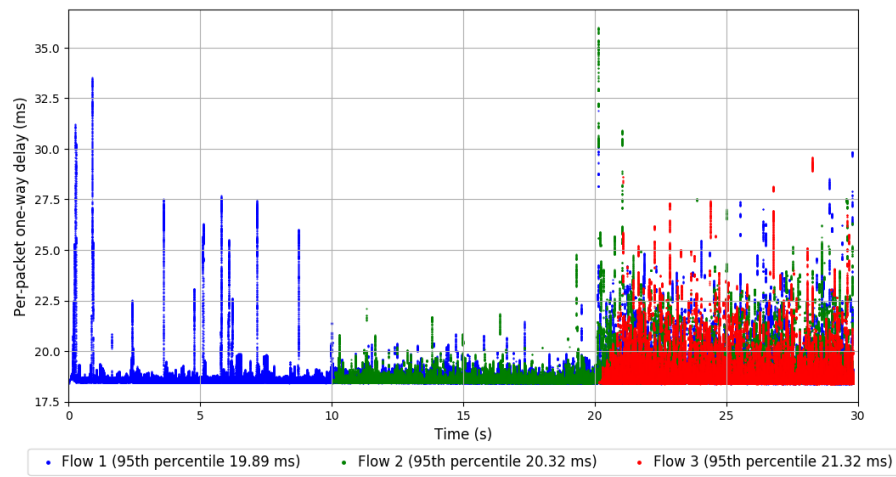
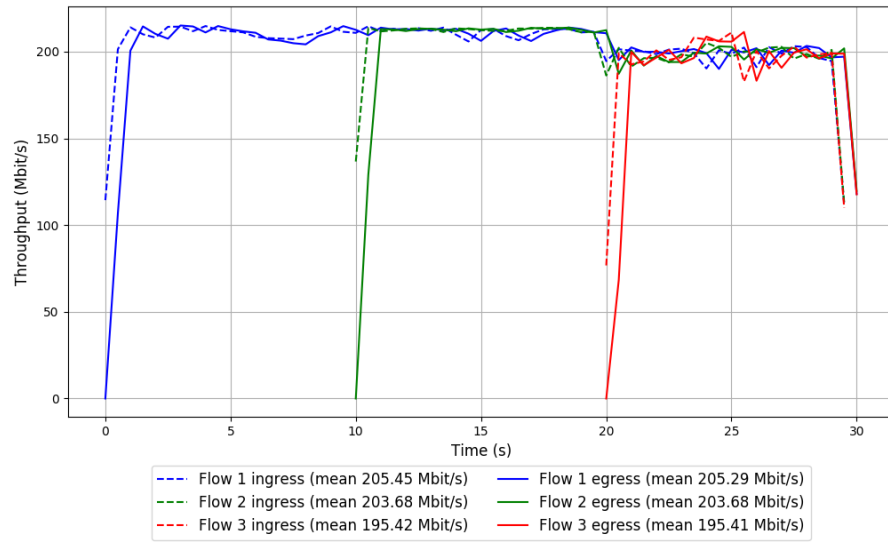
-- Flow 3:

Average throughput: 195.41 Mbit/s

95th percentile per-packet one-way delay: 21.322 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-01 09:56:32

End at: 2018-08-01 09:57:02

Local clock offset: -2.513 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-01 13:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.73 Mbit/s

95th percentile per-packet one-way delay: 19.841 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 100.40 Mbit/s

95th percentile per-packet one-way delay: 19.341 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 200.55 Mbit/s

95th percentile per-packet one-way delay: 19.936 ms

Loss rate: 0.90%

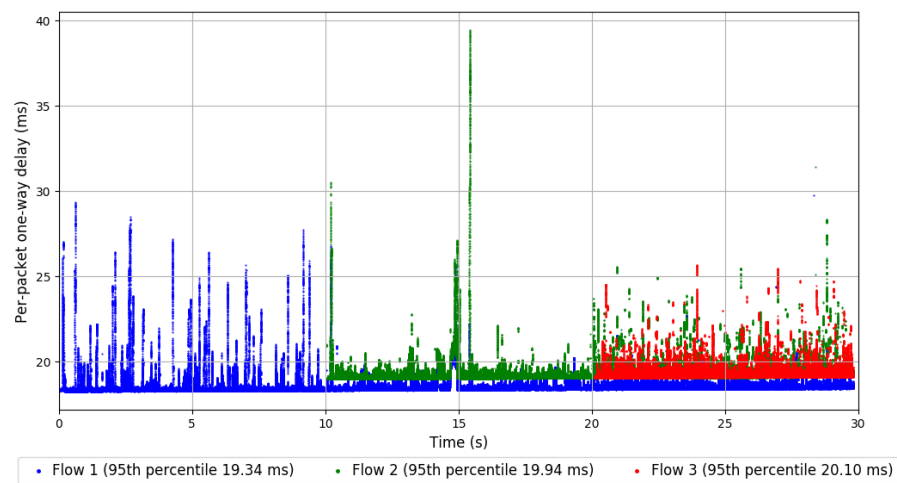
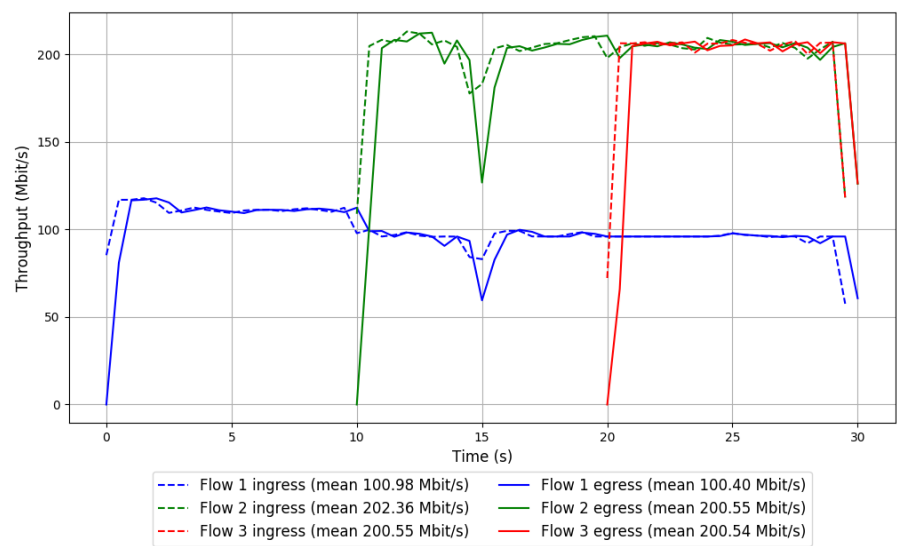
-- Flow 3:

Average throughput: 200.54 Mbit/s

95th percentile per-packet one-way delay: 20.100 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 10:23:52

End at: 2018-08-01 10:24:22

Local clock offset: 0.027 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-08-01 13:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.05 Mbit/s

95th percentile per-packet one-way delay: 20.042 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 204.75 Mbit/s

95th percentile per-packet one-way delay: 19.909 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 197.00 Mbit/s

95th percentile per-packet one-way delay: 19.675 ms

Loss rate: 0.47%

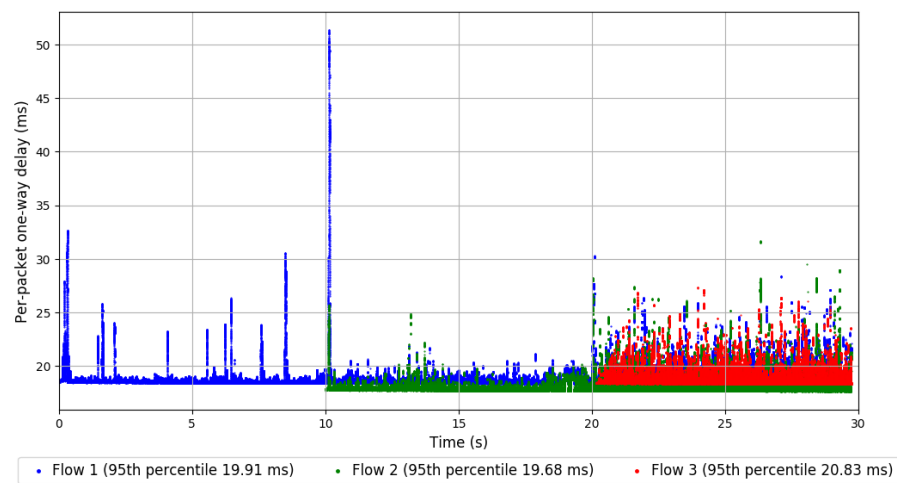
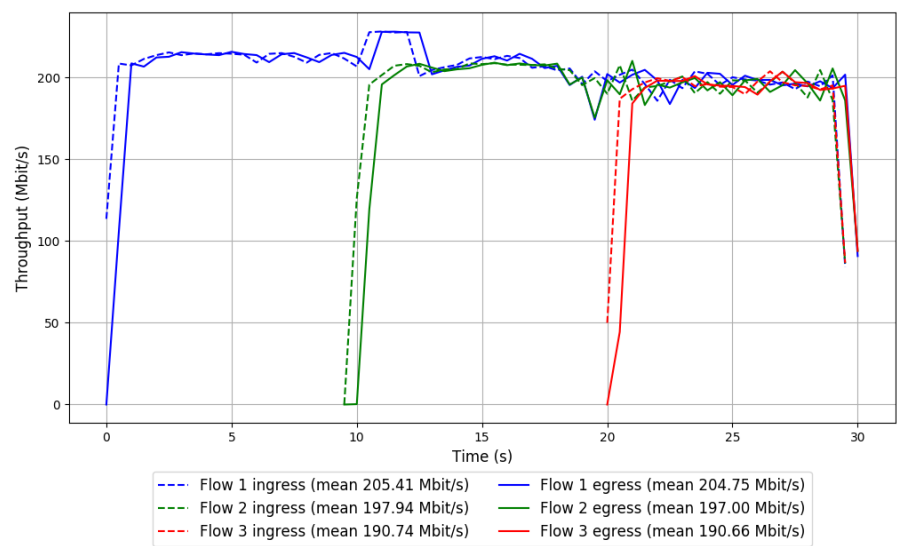
-- Flow 3:

Average throughput: 190.66 Mbit/s

95th percentile per-packet one-way delay: 20.832 ms

Loss rate: 0.03%

Run 6: Report of Indigo — Data Link

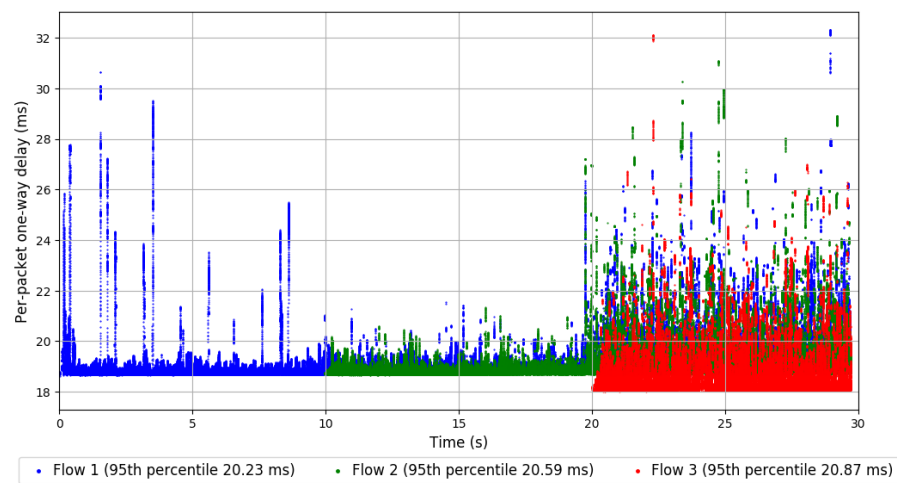
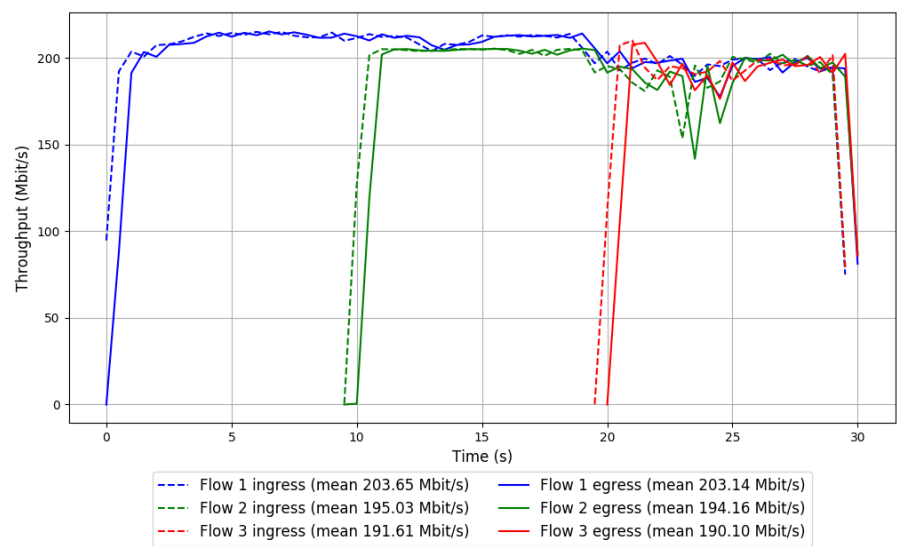


Run 7: Statistics of Indigo

Start at: 2018-08-01 10:51:11
End at: 2018-08-01 10:51:41
Local clock offset: -3.779 ms
Remote clock offset: -1.92 ms

Below is generated by plot.py at 2018-08-01 13:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.42 Mbit/s
95th percentile per-packet one-way delay: 20.465 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 203.14 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 194.16 Mbit/s
95th percentile per-packet one-way delay: 20.586 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 190.10 Mbit/s
95th percentile per-packet one-way delay: 20.867 ms
Loss rate: 0.77%

Run 7: Report of Indigo — Data Link

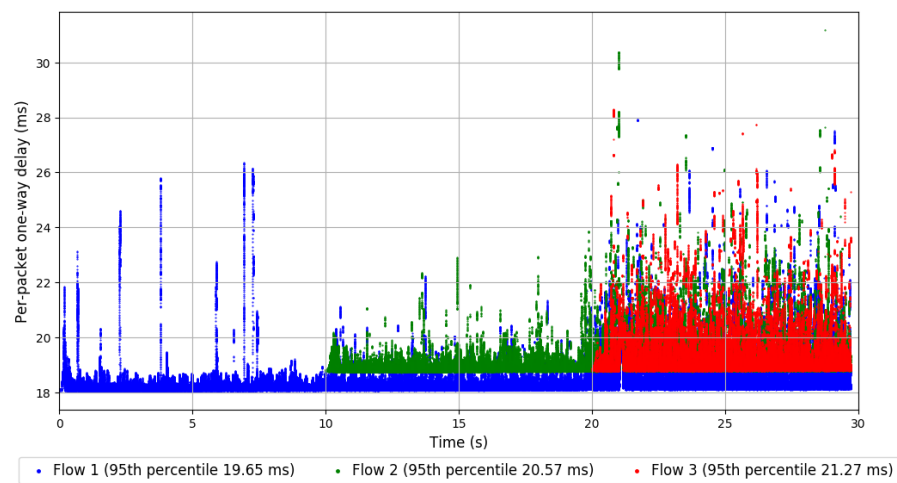
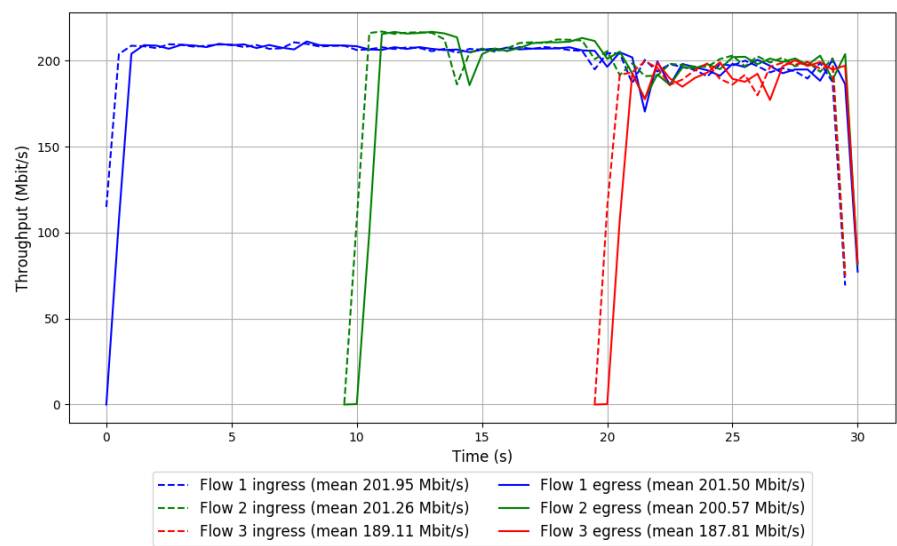


Run 8: Statistics of Indigo

Start at: 2018-08-01 11:18:38
End at: 2018-08-01 11:19:08
Local clock offset: 0.526 ms
Remote clock offset: -4.924 ms

Below is generated by plot.py at 2018-08-01 13:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.01 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 201.50 Mbit/s
95th percentile per-packet one-way delay: 19.646 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 200.57 Mbit/s
95th percentile per-packet one-way delay: 20.566 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 187.81 Mbit/s
95th percentile per-packet one-way delay: 21.268 ms
Loss rate: 0.62%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-01 11:46:05

End at: 2018-08-01 11:46:36

Local clock offset: 0.461 ms

Remote clock offset: -6.76 ms

Below is generated by plot.py at 2018-08-01 13:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.49 Mbit/s

95th percentile per-packet one-way delay: 20.974 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 203.80 Mbit/s

95th percentile per-packet one-way delay: 20.579 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 201.09 Mbit/s

95th percentile per-packet one-way delay: 20.743 ms

Loss rate: 0.01%

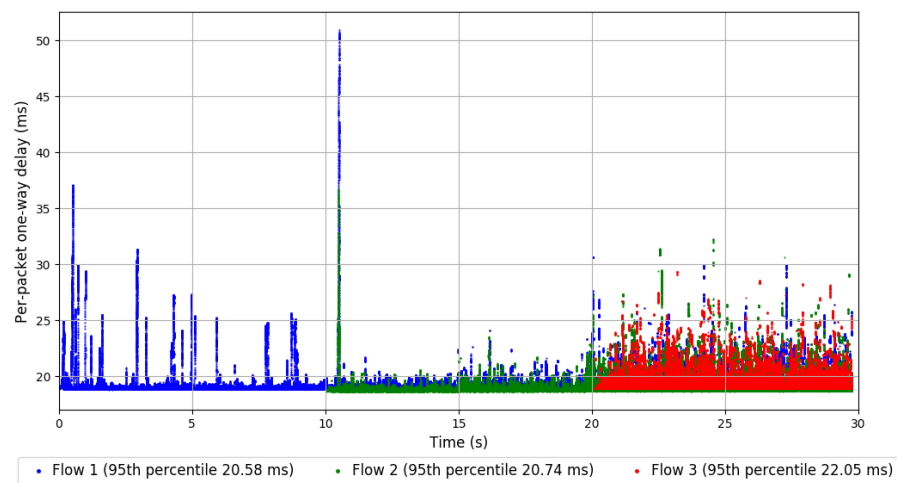
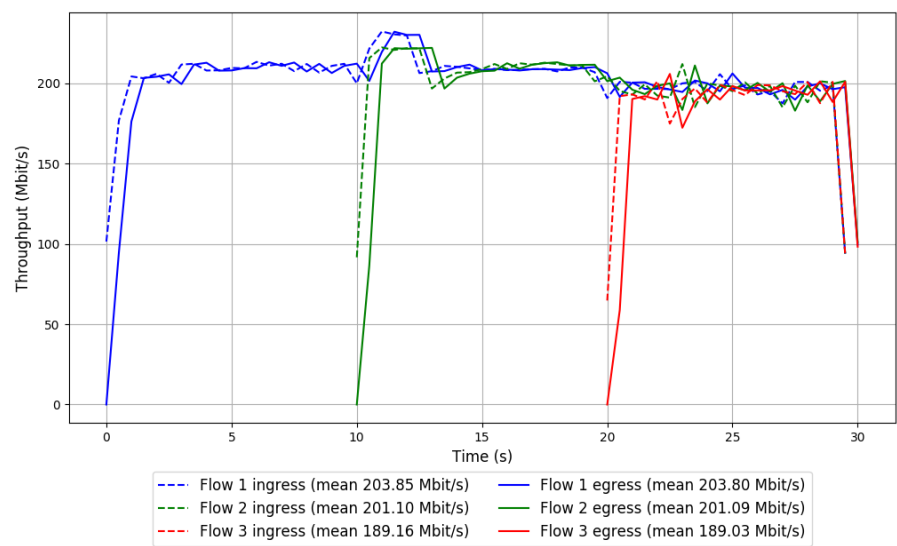
-- Flow 3:

Average throughput: 189.03 Mbit/s

95th percentile per-packet one-way delay: 22.052 ms

Loss rate: 0.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 12:13:20

End at: 2018-08-01 12:13:50

Local clock offset: 3.662 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at 2018-08-01 13:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.15 Mbit/s

95th percentile per-packet one-way delay: 20.629 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 201.50 Mbit/s

95th percentile per-packet one-way delay: 20.744 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 191.79 Mbit/s

95th percentile per-packet one-way delay: 20.690 ms

Loss rate: 0.00%

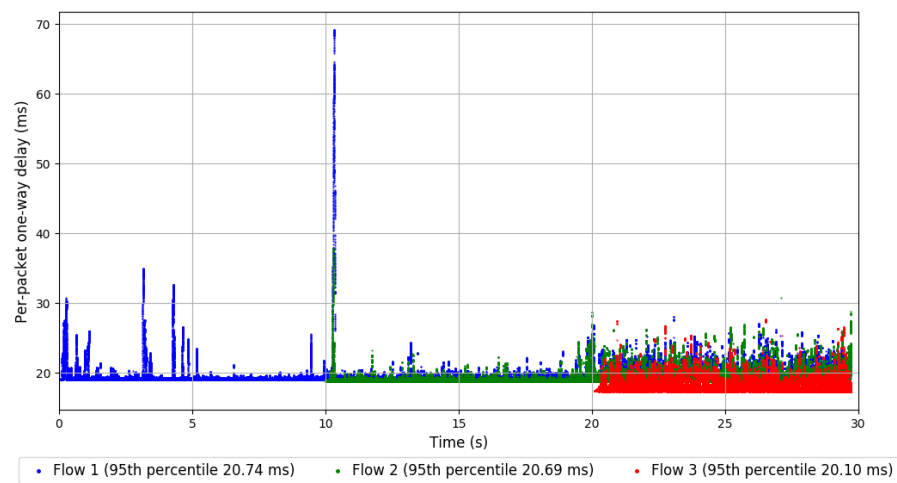
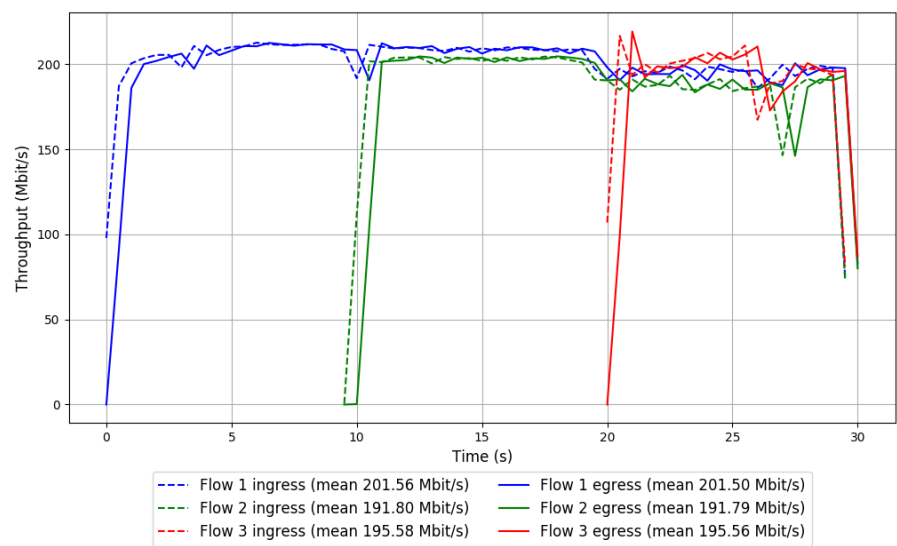
-- Flow 3:

Average throughput: 195.56 Mbit/s

95th percentile per-packet one-way delay: 20.100 ms

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

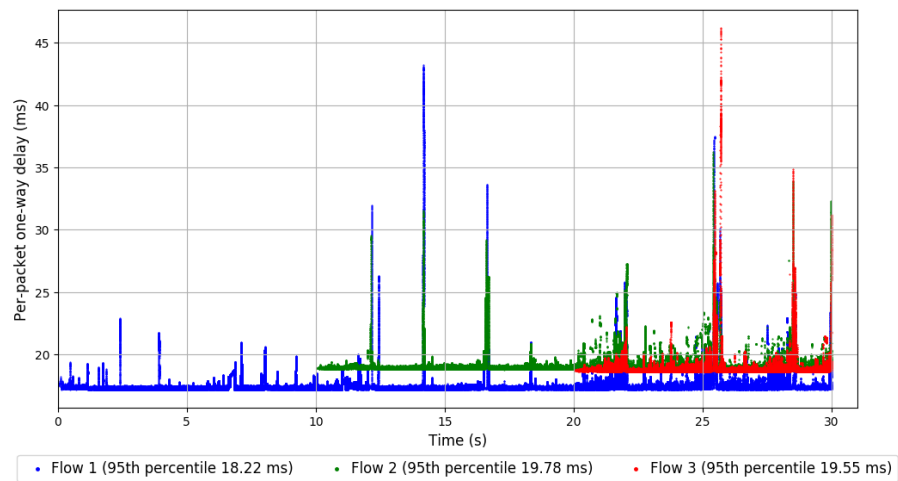
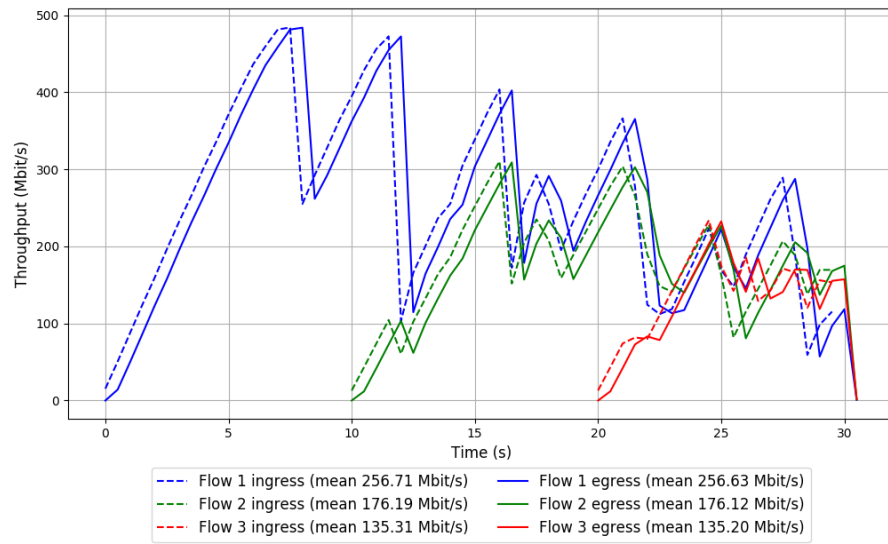


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 07:49:12
End at: 2018-08-01 07:49:42
Local clock offset: 5.307 ms
Remote clock offset: -2.367 ms

# Below is generated by plot.py at 2018-08-01 13:45:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.84 Mbit/s
95th percentile per-packet one-way delay: 19.224 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 256.63 Mbit/s
95th percentile per-packet one-way delay: 18.218 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 176.12 Mbit/s
95th percentile per-packet one-way delay: 19.781 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 135.20 Mbit/s
95th percentile per-packet one-way delay: 19.551 ms
Loss rate: 0.05%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 08:16:44

End at: 2018-08-01 08:17:14

Local clock offset: -1.008 ms

Remote clock offset: 1.029 ms

Below is generated by plot.py at 2018-08-01 13:45:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.50 Mbit/s

95th percentile per-packet one-way delay: 19.216 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 211.51 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 168.46 Mbit/s

95th percentile per-packet one-way delay: 19.200 ms

Loss rate: 0.07%

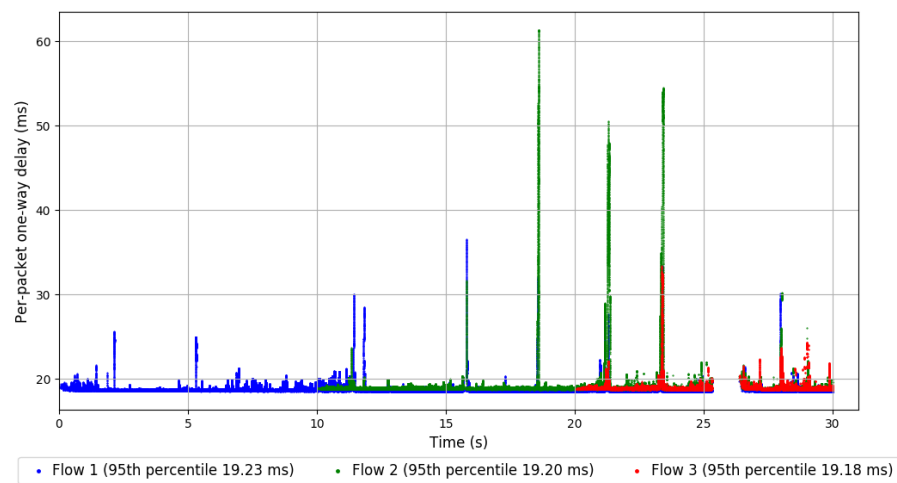
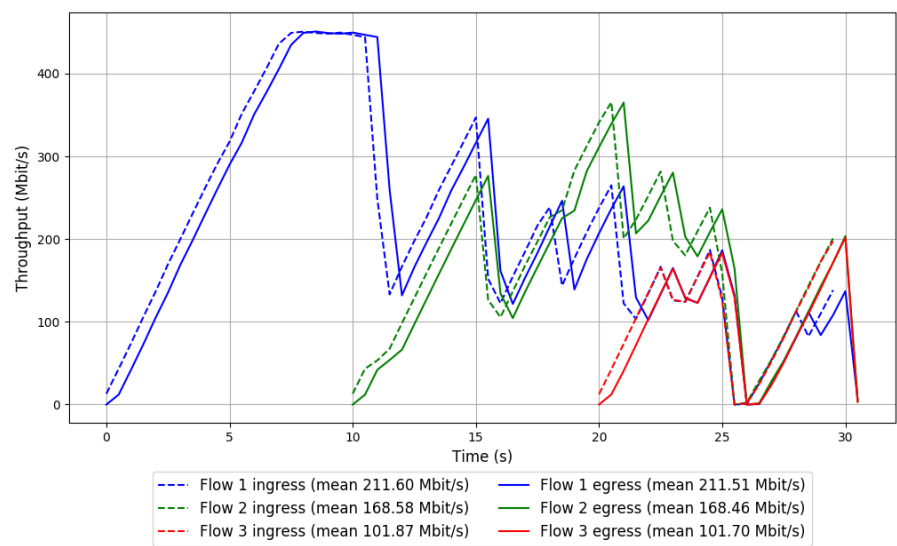
-- Flow 3:

Average throughput: 101.70 Mbit/s

95th percentile per-packet one-way delay: 19.185 ms

Loss rate: 0.17%

Run 2: Report of LEDBAT — Data Link

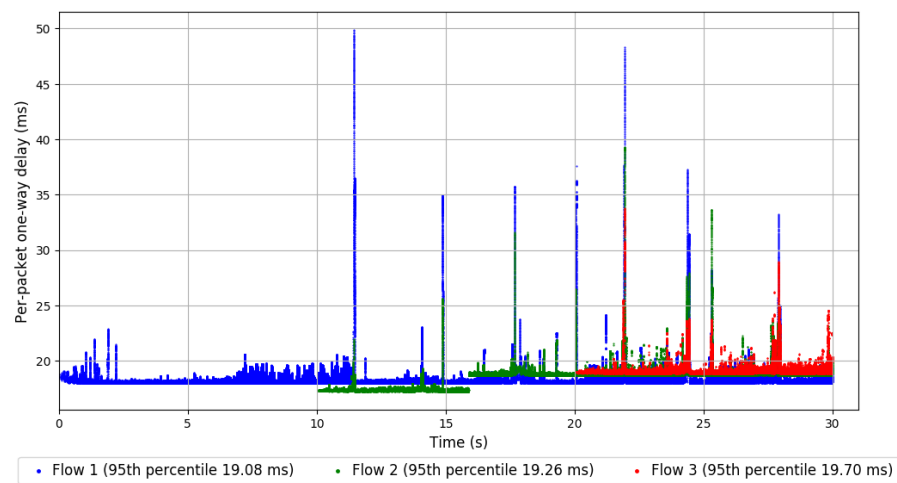
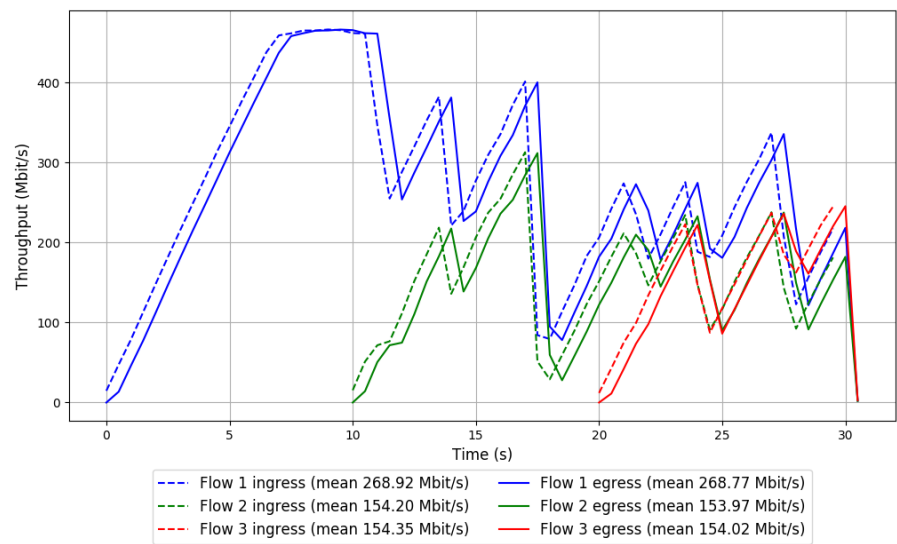


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 08:44:06
End at: 2018-08-01 08:44:36
Local clock offset: -0.873 ms
Remote clock offset: 0.503 ms

Below is generated by plot.py at 2018-08-01 13:46:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.55 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 268.77 Mbit/s
95th percentile per-packet one-way delay: 19.078 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 153.97 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 154.02 Mbit/s
95th percentile per-packet one-way delay: 19.704 ms
Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link

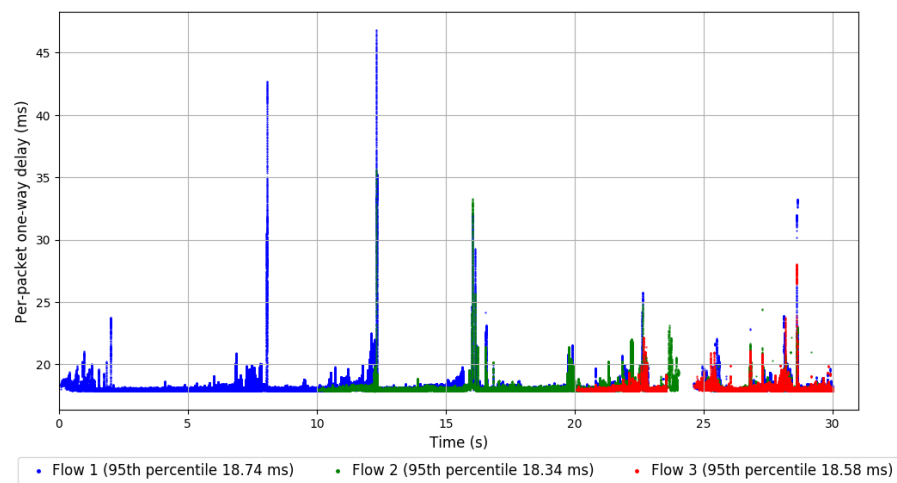
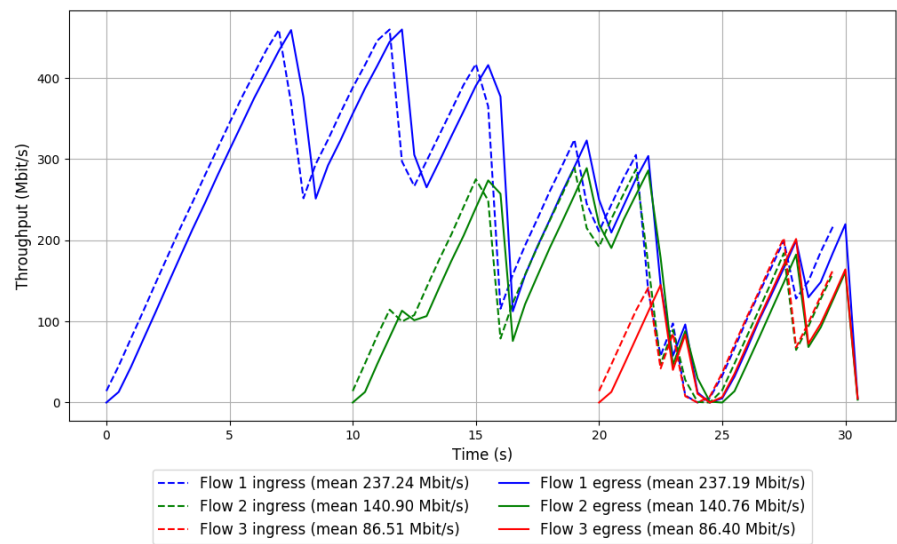


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 09:11:38
End at: 2018-08-01 09:12:08
Local clock offset: -0.333 ms
Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-08-01 13:46:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.68 Mbit/s
95th percentile per-packet one-way delay: 18.642 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 237.19 Mbit/s
95th percentile per-packet one-way delay: 18.738 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 140.76 Mbit/s
95th percentile per-packet one-way delay: 18.336 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 18.576 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-01 09:39:02

End at: 2018-08-01 09:39:32

Local clock offset: -3.229 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-08-01 13:47:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.85 Mbit/s

95th percentile per-packet one-way delay: 18.939 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 210.50 Mbit/s

95th percentile per-packet one-way delay: 18.604 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 151.57 Mbit/s

95th percentile per-packet one-way delay: 19.116 ms

Loss rate: 0.11%

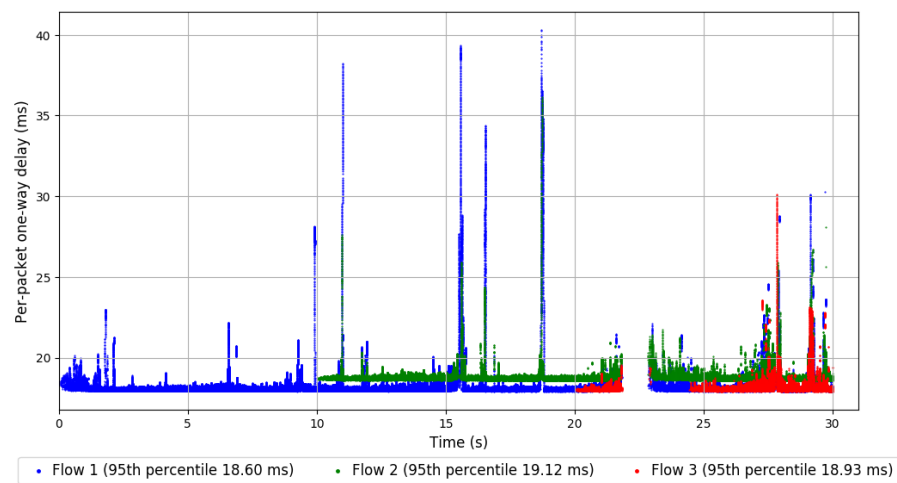
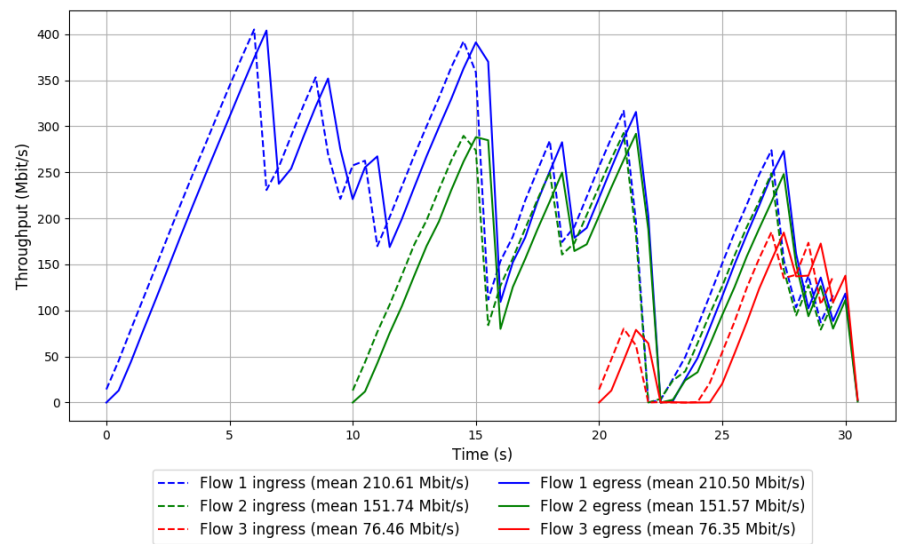
-- Flow 3:

Average throughput: 76.35 Mbit/s

95th percentile per-packet one-way delay: 18.935 ms

Loss rate: 0.14%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-01 10:06:17

End at: 2018-08-01 10:06:47

Local clock offset: -0.39 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-08-01 13:49:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.90 Mbit/s

95th percentile per-packet one-way delay: 19.556 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 272.48 Mbit/s

95th percentile per-packet one-way delay: 19.637 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 220.94 Mbit/s

95th percentile per-packet one-way delay: 18.965 ms

Loss rate: 0.02%

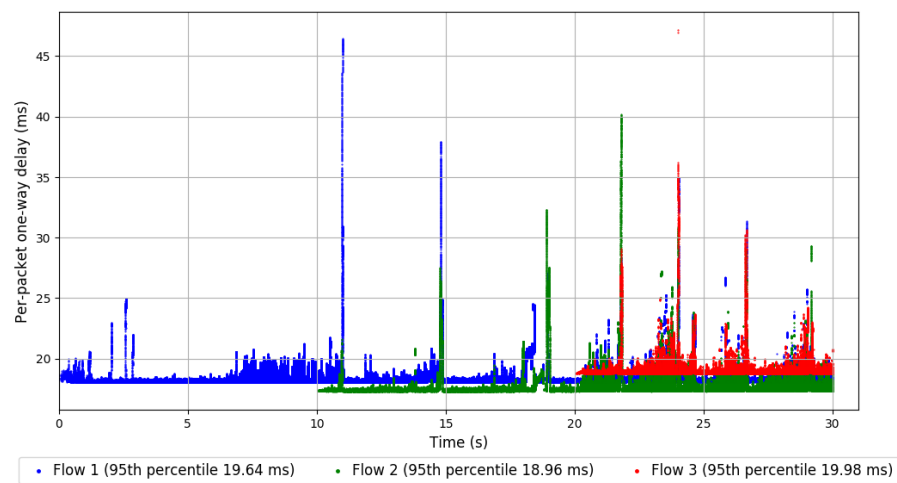
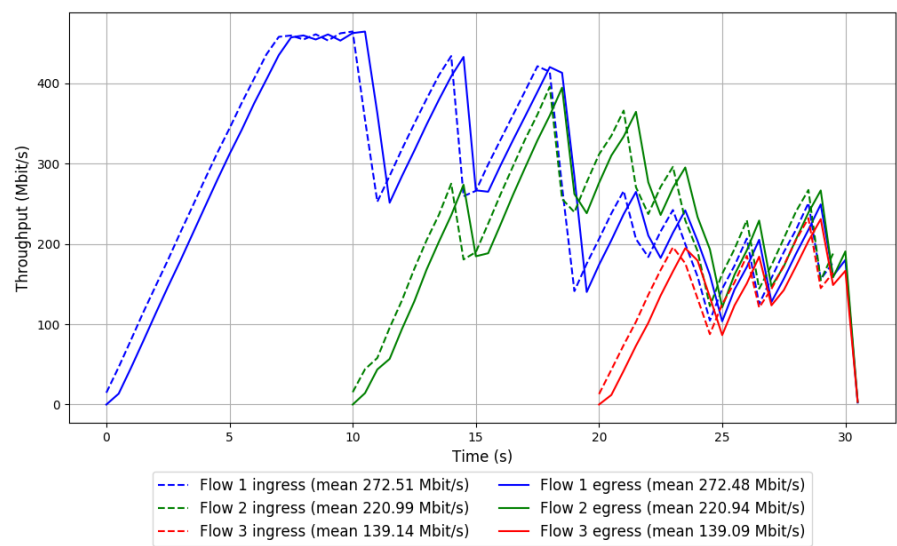
-- Flow 3:

Average throughput: 139.09 Mbit/s

95th percentile per-packet one-way delay: 19.978 ms

Loss rate: 0.04%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 10:33:42

End at: 2018-08-01 10:34:12

Local clock offset: -2.329 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-08-01 13:49:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 379.74 Mbit/s

95th percentile per-packet one-way delay: 19.507 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 215.84 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 185.10 Mbit/s

95th percentile per-packet one-way delay: 19.990 ms

Loss rate: 0.01%

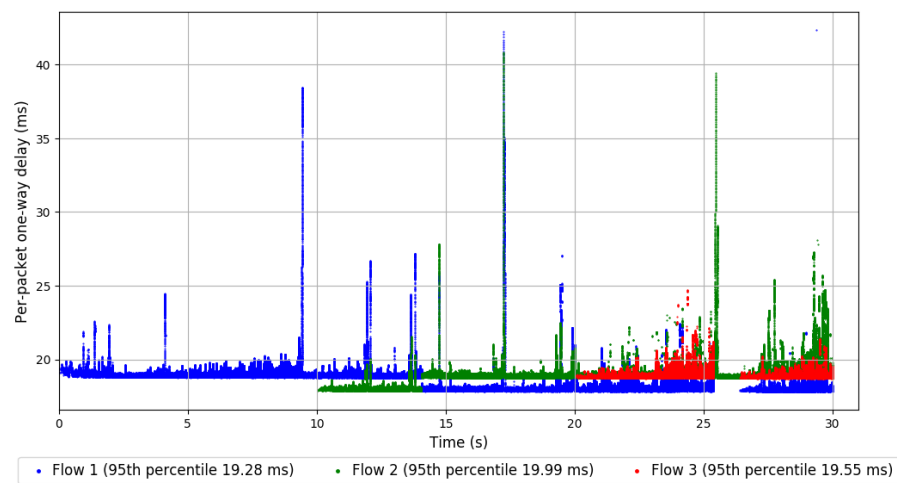
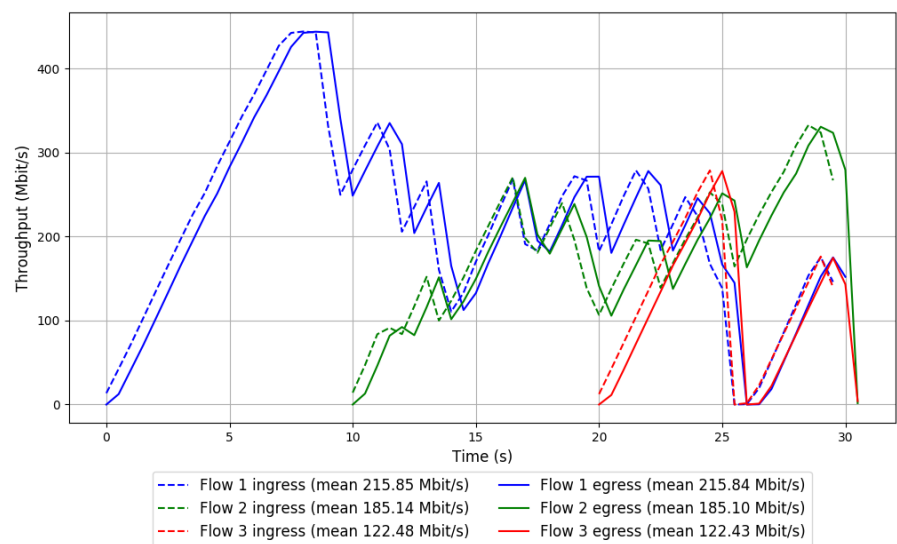
-- Flow 3:

Average throughput: 122.43 Mbit/s

95th percentile per-packet one-way delay: 19.545 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

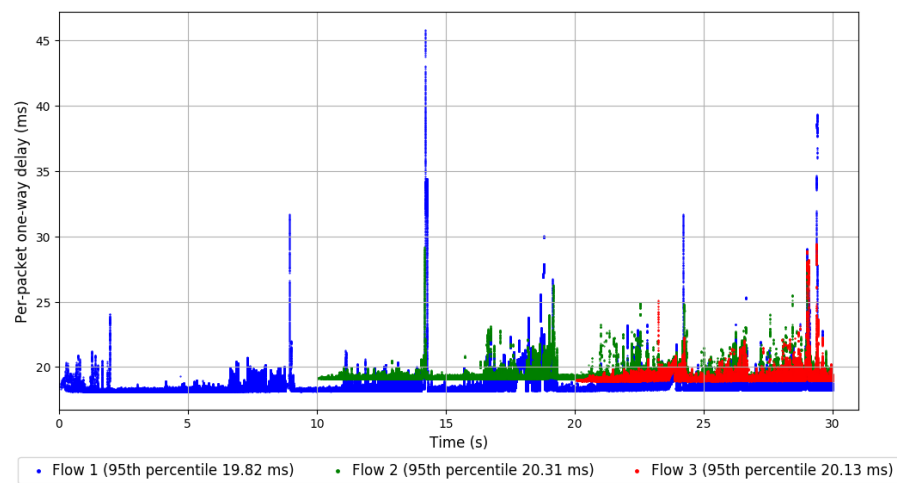
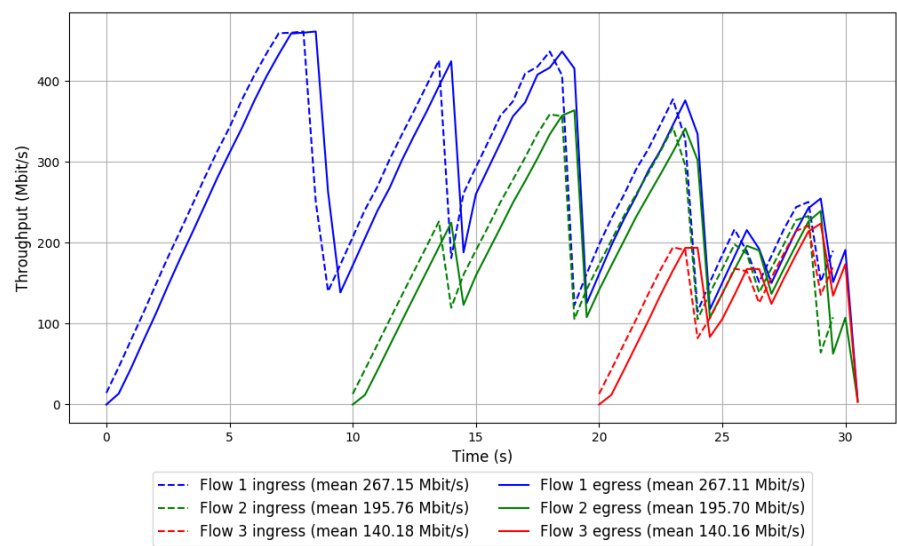


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 11:01:08
End at: 2018-08-01 11:01:38
Local clock offset: -1.198 ms
Remote clock offset: -3.497 ms

Below is generated by plot.py at 2018-08-01 13:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 444.08 Mbit/s
95th percentile per-packet one-way delay: 20.071 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 267.11 Mbit/s
95th percentile per-packet one-way delay: 19.822 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 195.70 Mbit/s
95th percentile per-packet one-way delay: 20.307 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 140.16 Mbit/s
95th percentile per-packet one-way delay: 20.127 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

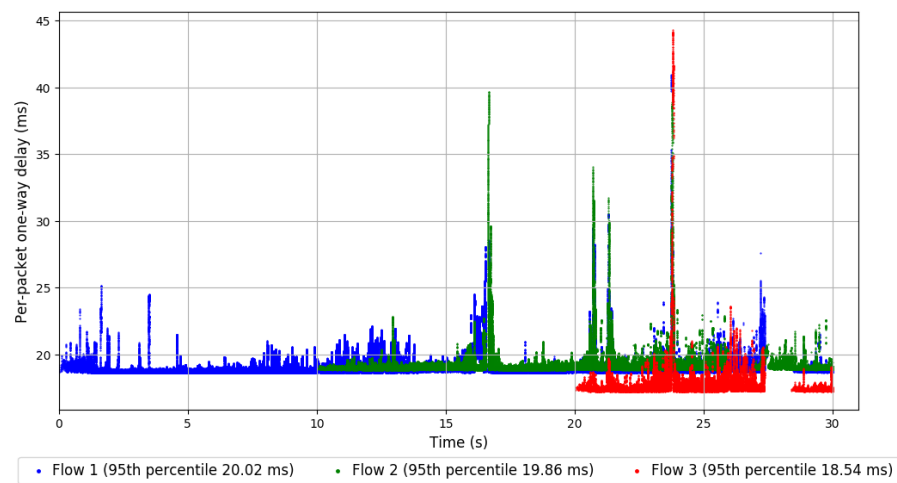
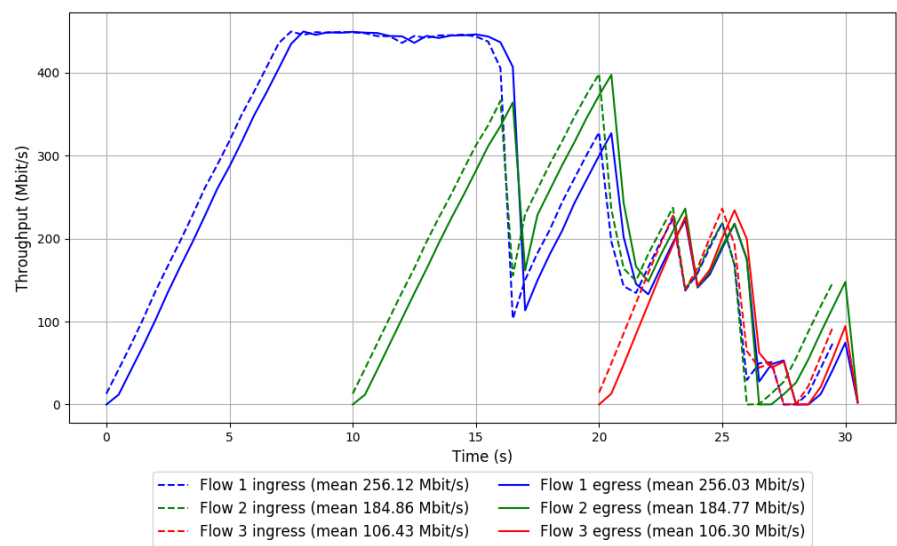


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 11:28:35
End at: 2018-08-01 11:29:05
Local clock offset: 0.51 ms
Remote clock offset: -5.625 ms

Below is generated by plot.py at 2018-08-01 13:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.36 Mbit/s
95th percentile per-packet one-way delay: 19.899 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 256.03 Mbit/s
95th percentile per-packet one-way delay: 20.019 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 184.77 Mbit/s
95th percentile per-packet one-way delay: 19.860 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 106.30 Mbit/s
95th percentile per-packet one-way delay: 18.544 ms
Loss rate: 0.13%

Run 9: Report of LEDBAT — Data Link

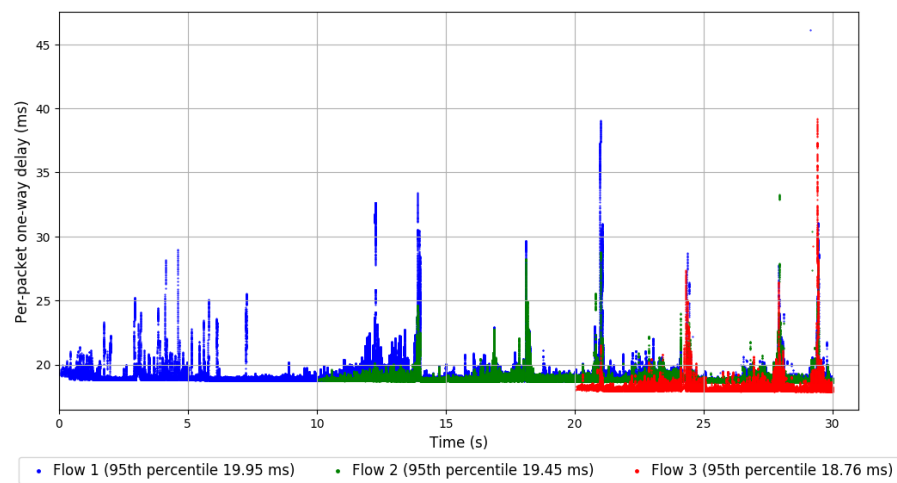
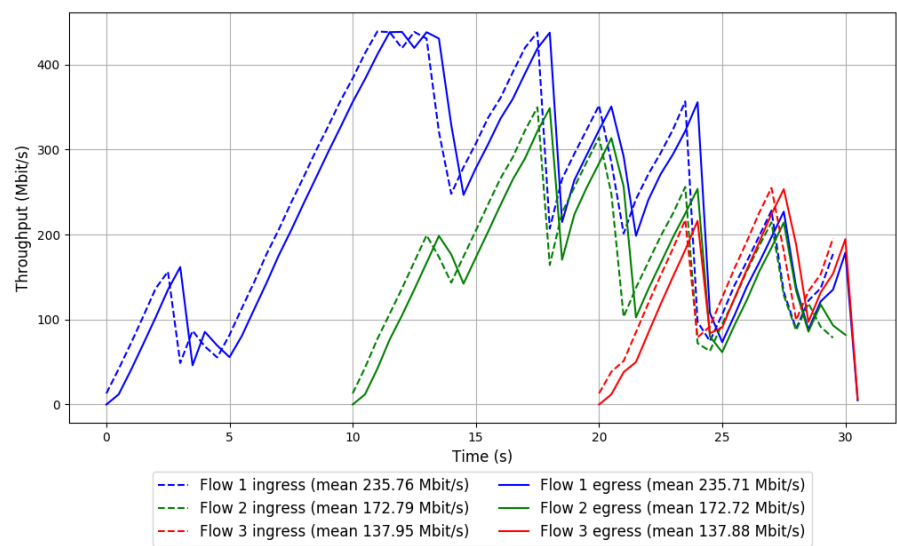


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 11:55:56
End at: 2018-08-01 11:56:26
Local clock offset: 1.305 ms
Remote clock offset: -4.914 ms

Below is generated by plot.py at 2018-08-01 13:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.52 Mbit/s
95th percentile per-packet one-way delay: 19.733 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 235.71 Mbit/s
95th percentile per-packet one-way delay: 19.950 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 172.72 Mbit/s
95th percentile per-packet one-way delay: 19.451 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.88 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link

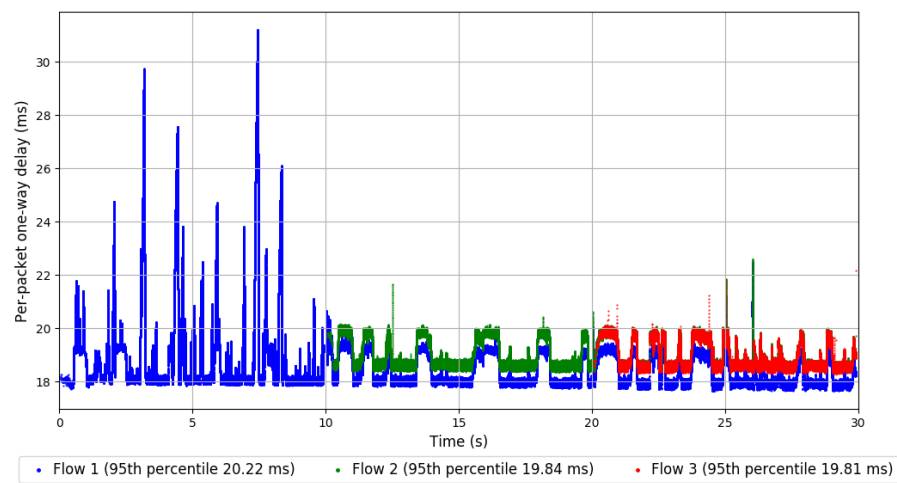
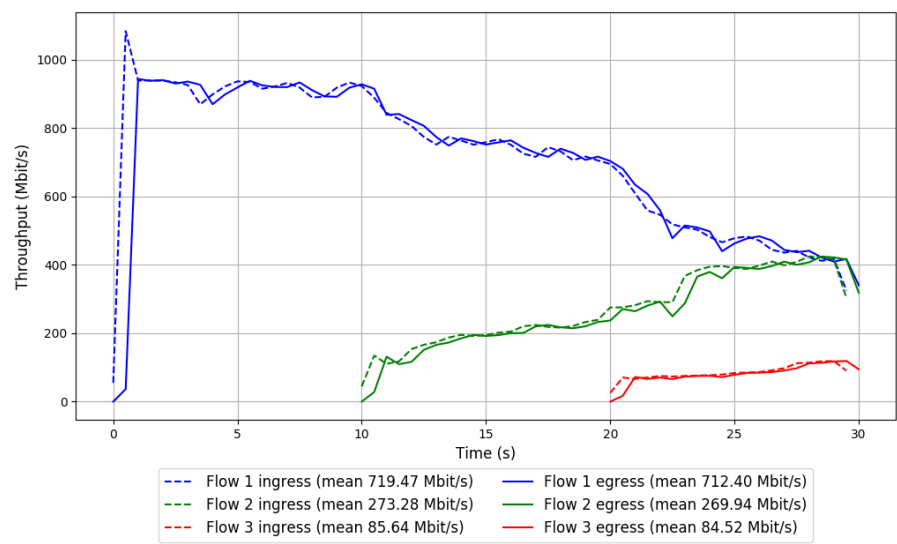


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 08:02:09
End at: 2018-08-01 08:02:39
Local clock offset: 1.274 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-08-01 13:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.65 Mbit/s
95th percentile per-packet one-way delay: 19.889 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 712.40 Mbit/s
95th percentile per-packet one-way delay: 20.220 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 269.94 Mbit/s
95th percentile per-packet one-way delay: 19.843 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 19.807 ms
Loss rate: 1.26%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 08:29:29

End at: 2018-08-01 08:29:59

Local clock offset: -0.897 ms

Remote clock offset: 1.502 ms

Below is generated by plot.py at 2018-08-01 13:56:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 899.92 Mbit/s

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

Loss rate: 1.37%

-- Flow 1:

Average throughput: 761.89 Mbit/s

95th percentile per-packet one-way delay: 32.262 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 173.16 Mbit/s

95th percentile per-packet one-way delay: 20.436 ms

Loss rate: 2.81%

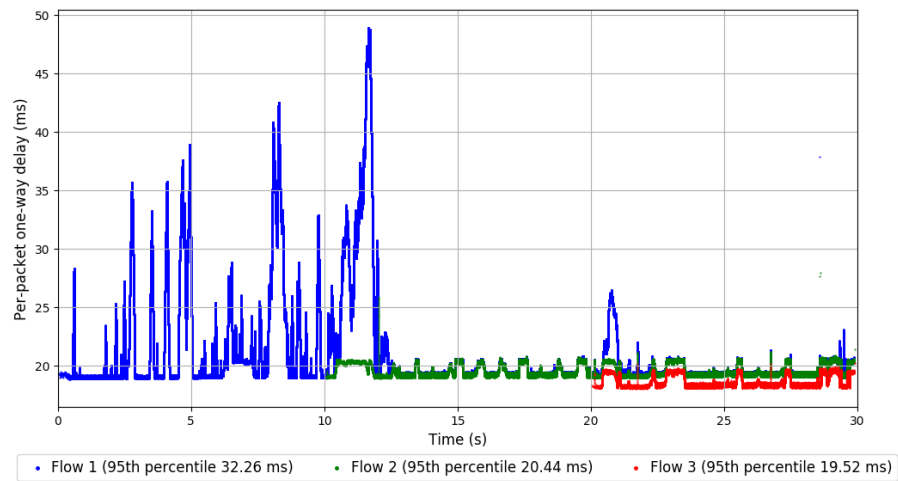
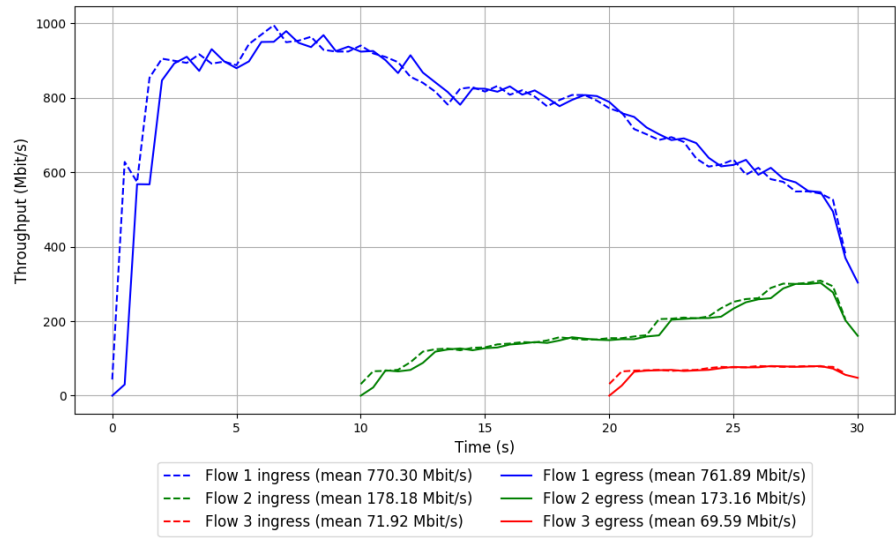
-- Flow 3:

Average throughput: 69.59 Mbit/s

95th percentile per-packet one-way delay: 19.522 ms

Loss rate: 3.23%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 08:56:58

End at: 2018-08-01 08:57:28

Local clock offset: -0.628 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2018-08-01 13:57:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 877.93 Mbit/s

95th percentile per-packet one-way delay: 61.897 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 754.69 Mbit/s

95th percentile per-packet one-way delay: 69.096 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 182.85 Mbit/s

95th percentile per-packet one-way delay: 19.488 ms

Loss rate: 1.51%

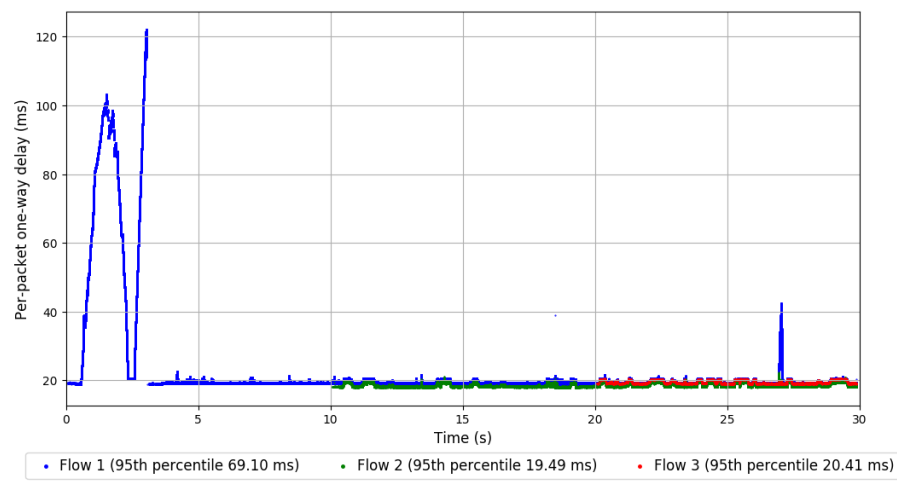
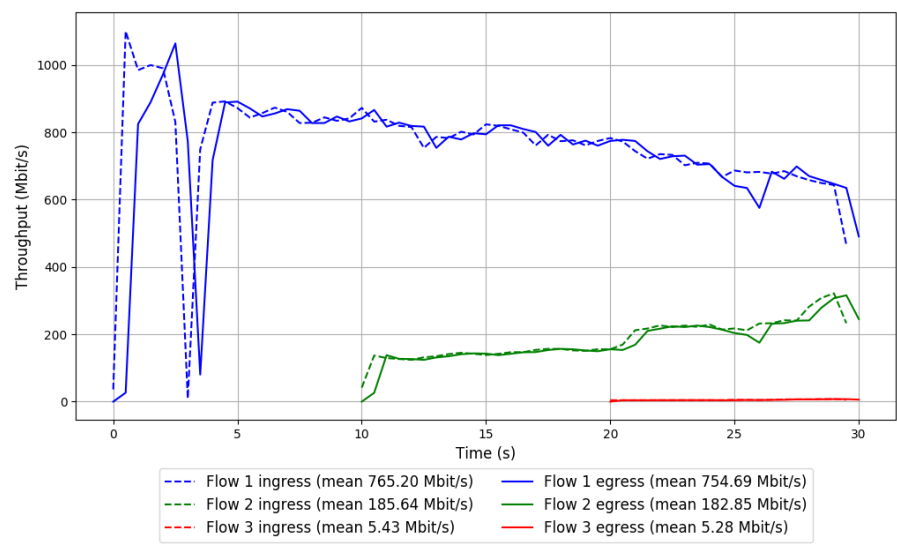
-- Flow 3:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 20.412 ms

Loss rate: 2.66%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 09:24:37

End at: 2018-08-01 09:25:07

Local clock offset: -1.002 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-08-01 13:58:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 888.55 Mbit/s

95th percentile per-packet one-way delay: 19.060 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 734.39 Mbit/s

95th percentile per-packet one-way delay: 18.664 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 179.61 Mbit/s

95th percentile per-packet one-way delay: 19.818 ms

Loss rate: 0.65%

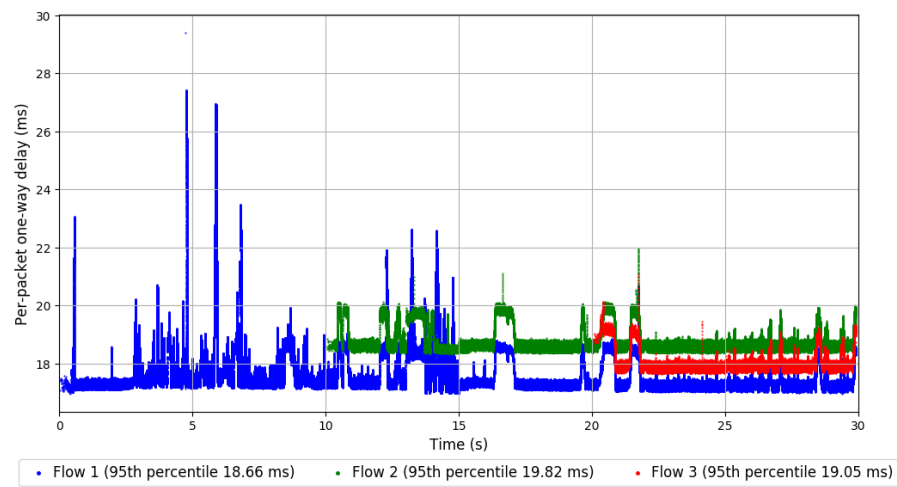
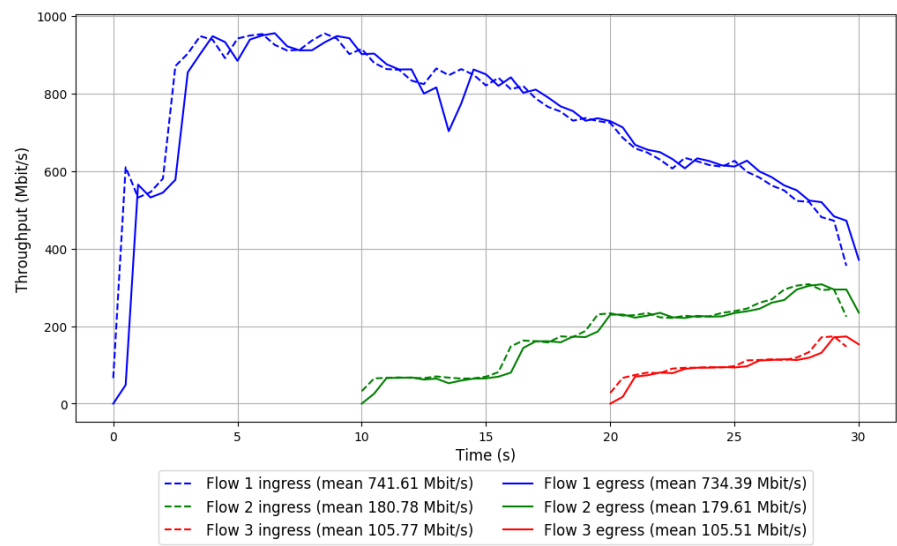
-- Flow 3:

Average throughput: 105.51 Mbit/s

95th percentile per-packet one-way delay: 19.054 ms

Loss rate: 0.24%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 09:51:53

End at: 2018-08-01 09:52:23

Local clock offset: -4.245 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-01 13:58:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 863.70 Mbit/s

95th percentile per-packet one-way delay: 20.327 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 703.29 Mbit/s

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

Loss rate: 1.34%

-- Flow 2:

Average throughput: 198.04 Mbit/s

95th percentile per-packet one-way delay: 20.333 ms

Loss rate: 1.51%

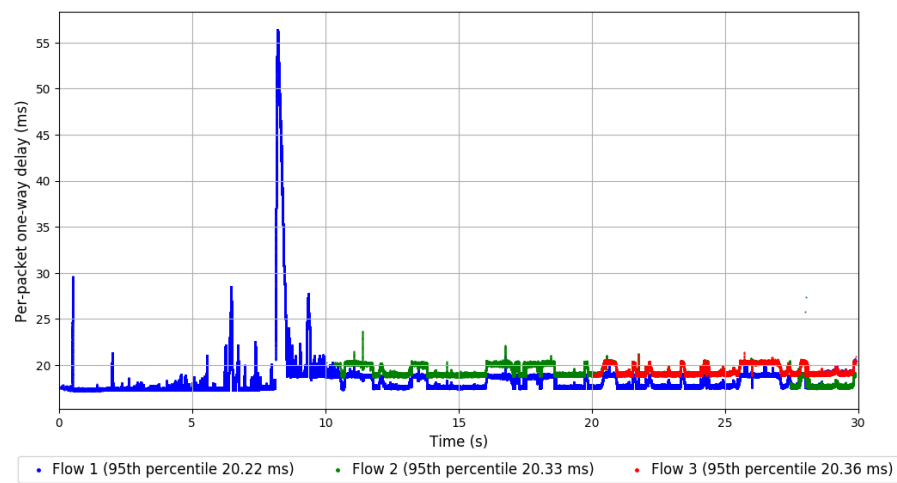
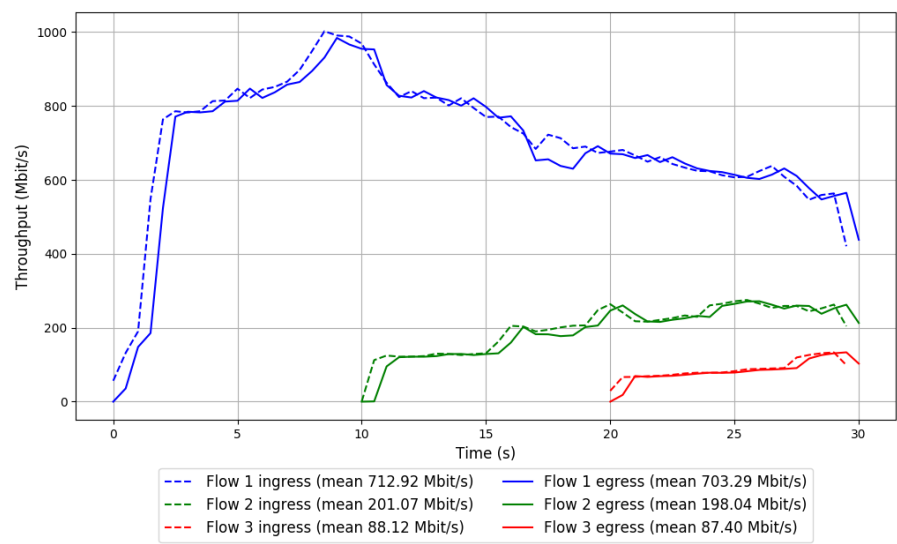
-- Flow 3:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 20.355 ms

Loss rate: 0.81%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 10:19:14

End at: 2018-08-01 10:19:44

Local clock offset: 0.442 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-08-01 13:59:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 865.14 Mbit/s

95th percentile per-packet one-way delay: 20.301 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 706.63 Mbit/s

95th percentile per-packet one-way delay: 20.313 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 200.68 Mbit/s

95th percentile per-packet one-way delay: 20.212 ms

Loss rate: 1.10%

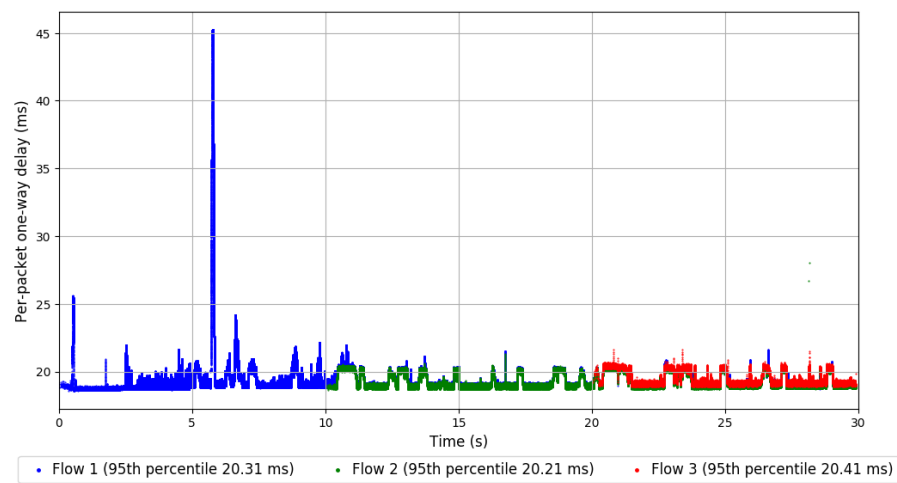
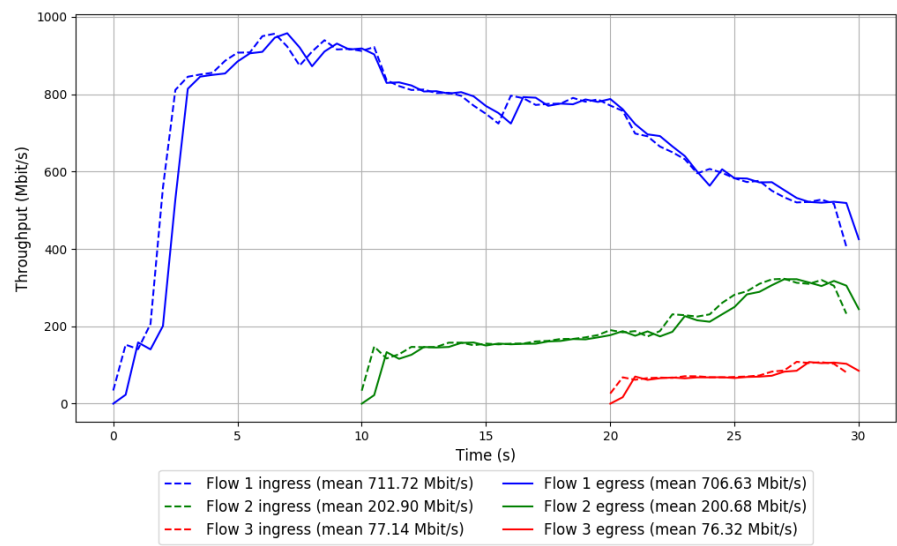
-- Flow 3:

Average throughput: 76.32 Mbit/s

95th percentile per-packet one-way delay: 20.415 ms

Loss rate: 1.06%

Run 6: Report of PCC-Allegro — Data Link

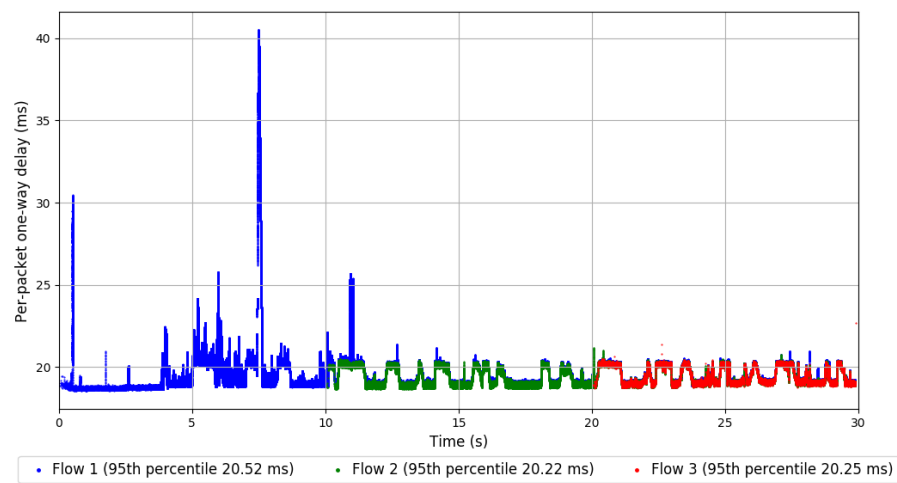
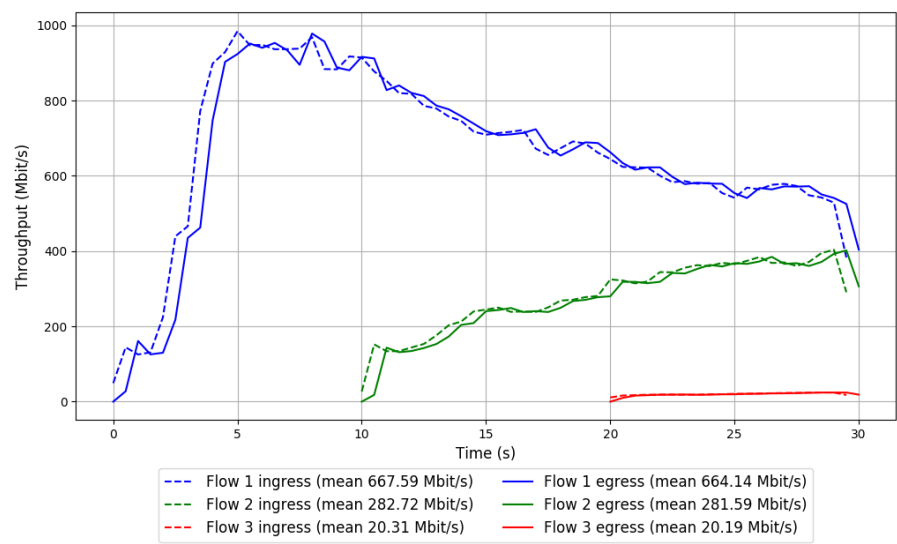


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 10:46:31
End at: 2018-08-01 10:47:01
Local clock offset: -3.434 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-08-01 13:59:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 857.91 Mbit/s
95th percentile per-packet one-way delay: 20.374 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 664.14 Mbit/s
95th percentile per-packet one-way delay: 20.517 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 281.59 Mbit/s
95th percentile per-packet one-way delay: 20.222 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 20.251 ms
Loss rate: 0.55%

Run 7: Report of PCC-Allegro — Data Link

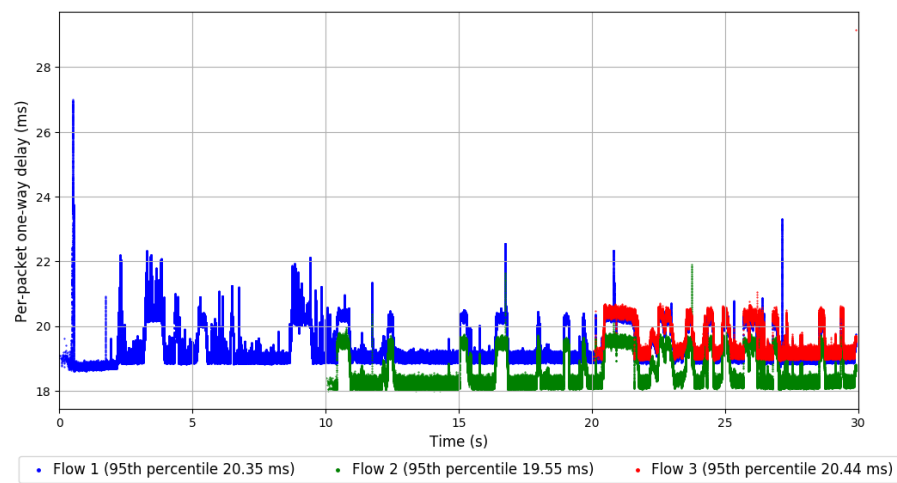
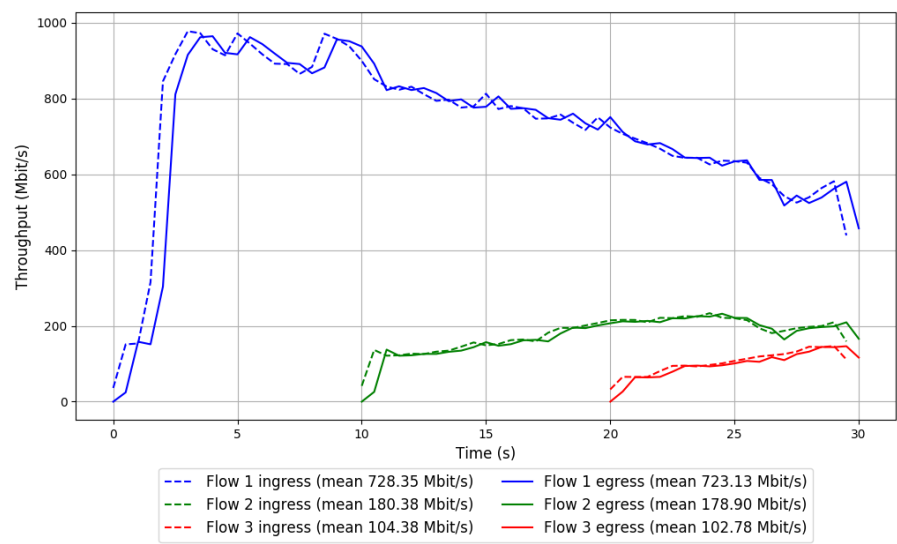


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 11:13:58
End at: 2018-08-01 11:14:28
Local clock offset: 0.312 ms
Remote clock offset: -4.624 ms

Below is generated by plot.py at 2018-08-01 14:00:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 875.70 Mbit/s
95th percentile per-packet one-way delay: 20.342 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 723.13 Mbit/s
95th percentile per-packet one-way delay: 20.351 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 178.90 Mbit/s
95th percentile per-packet one-way delay: 19.549 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 102.78 Mbit/s
95th percentile per-packet one-way delay: 20.444 ms
Loss rate: 1.45%

Run 8: Report of PCC-Allegro — Data Link

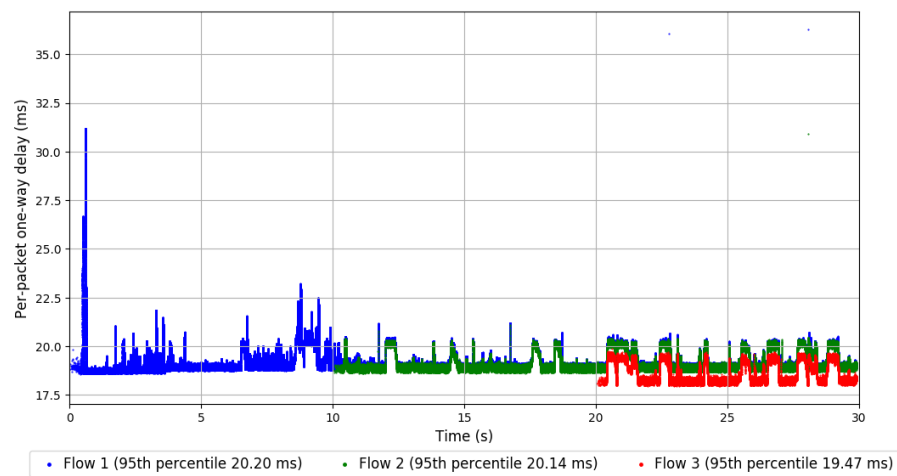
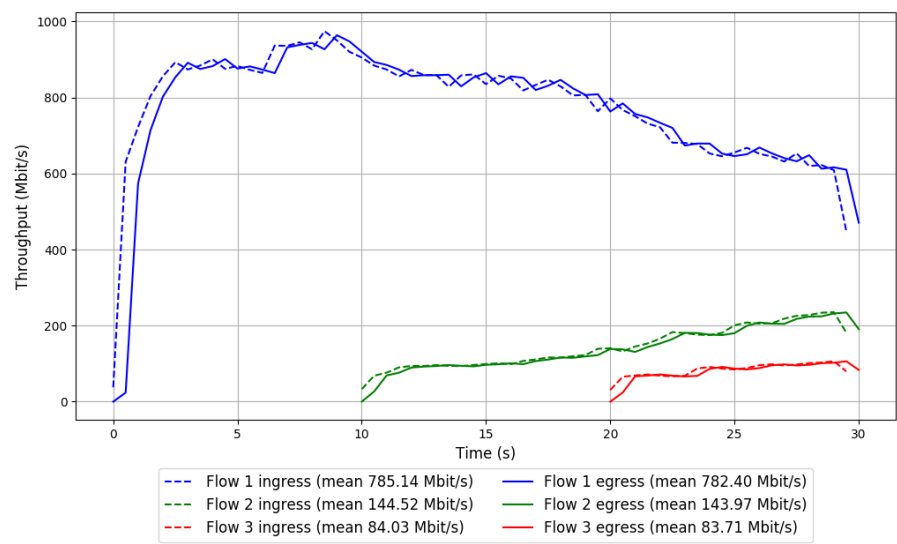


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 11:41:25
End at: 2018-08-01 11:41:55
Local clock offset: 0.432 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-08-01 14:06:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 905.73 Mbit/s
95th percentile per-packet one-way delay: 20.188 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 782.40 Mbit/s
95th percentile per-packet one-way delay: 20.196 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 143.97 Mbit/s
95th percentile per-packet one-way delay: 20.139 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 19.472 ms
Loss rate: 0.38%

Run 9: Report of PCC-Allegro — Data Link

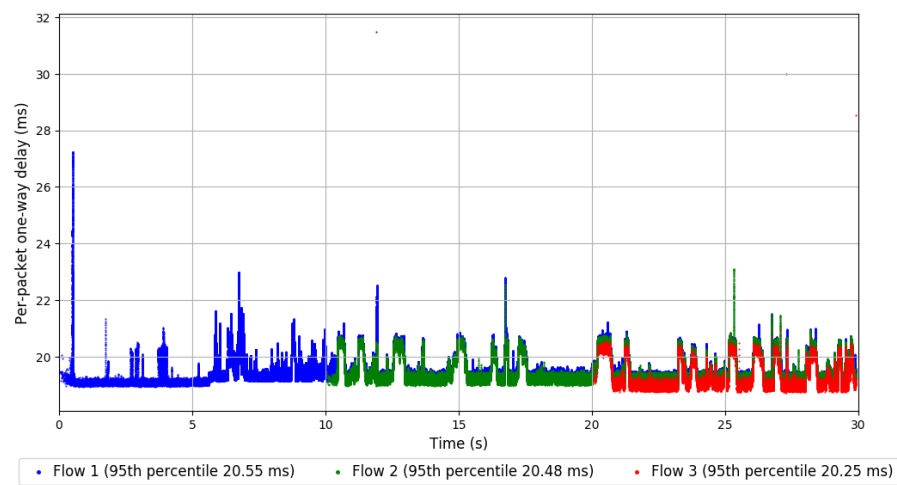
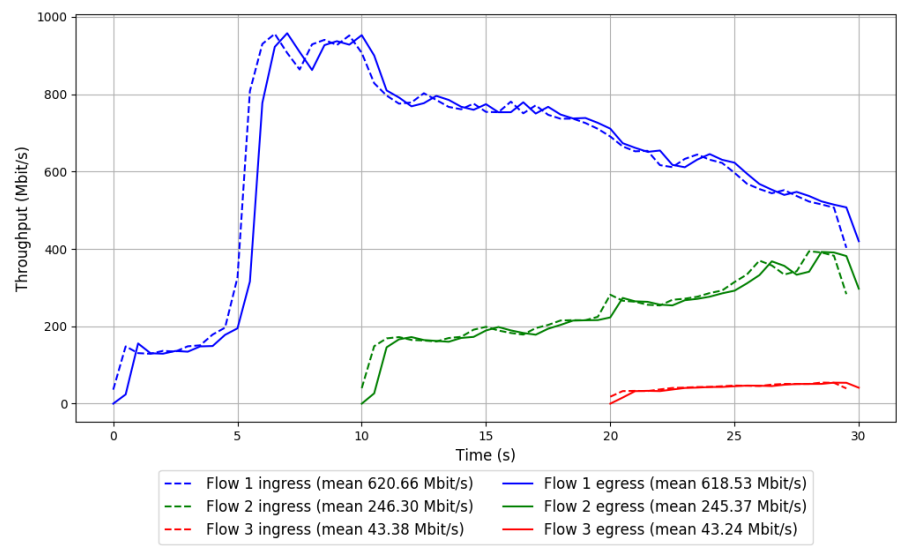


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 12:08:44
End at: 2018-08-01 12:09:14
Local clock offset: 3.206 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-01 14:06:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.71 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 618.53 Mbit/s
95th percentile per-packet one-way delay: 20.551 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 245.37 Mbit/s
95th percentile per-packet one-way delay: 20.479 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 20.248 ms
Loss rate: 0.23%

Run 10: Report of PCC-Allegro — Data Link

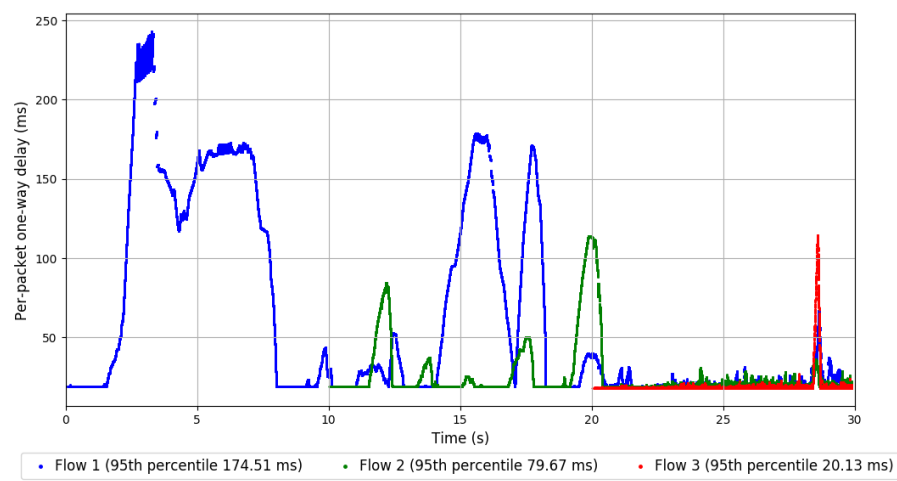
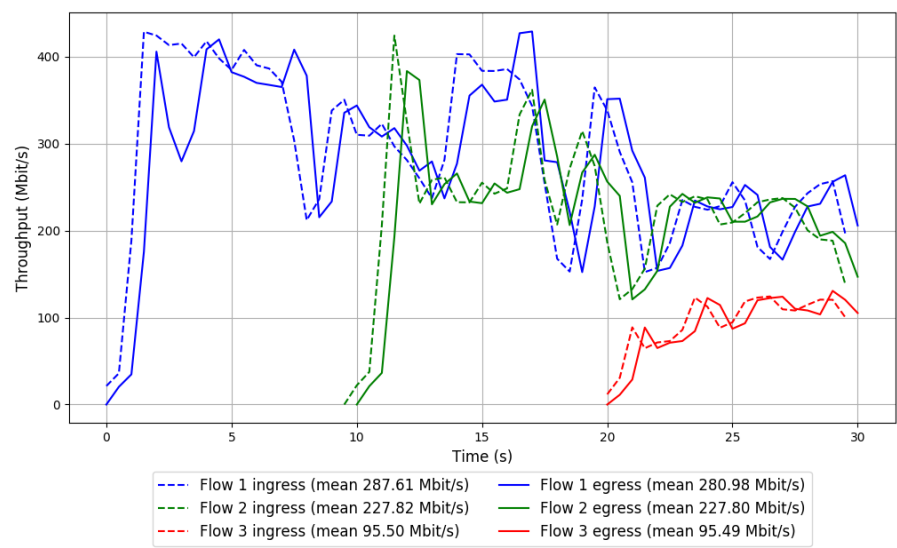


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 07:50:48
End at: 2018-08-01 07:51:18
Local clock offset: 5.359 ms
Remote clock offset: -2.346 ms

# Below is generated by plot.py at 2018-08-01 14:06:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.14 Mbit/s
95th percentile per-packet one-way delay: 169.376 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 280.98 Mbit/s
95th percentile per-packet one-way delay: 174.506 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 227.80 Mbit/s
95th percentile per-packet one-way delay: 79.672 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.01%
```


Run 1: Report of PCC-Expr — Data Link

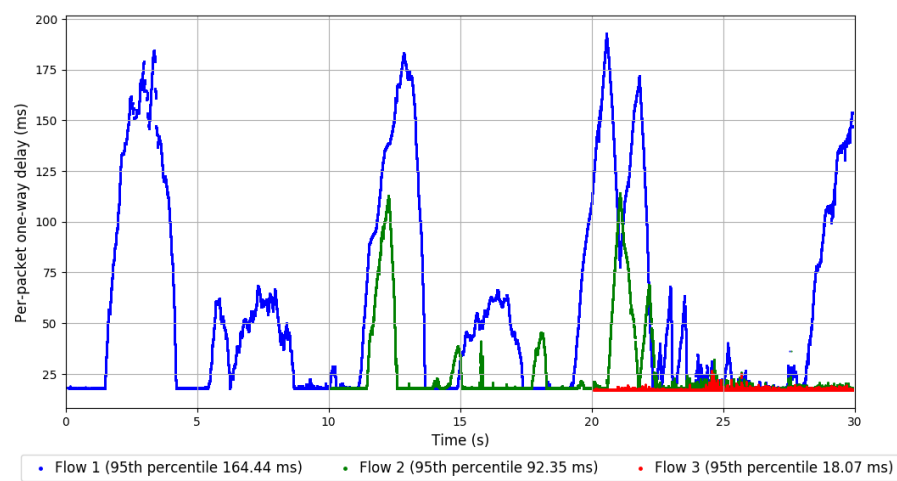
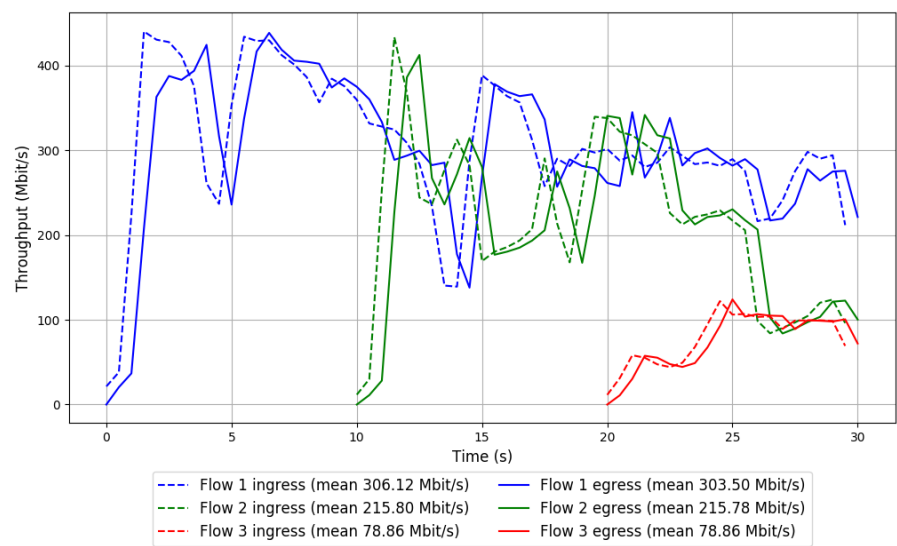


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 08:18:18
End at: 2018-08-01 08:18:48
Local clock offset: -1.144 ms
Remote clock offset: 1.152 ms

# Below is generated by plot.py at 2018-08-01 14:08:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.07 Mbit/s
95th percentile per-packet one-way delay: 154.980 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 303.50 Mbit/s
95th percentile per-packet one-way delay: 164.440 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 215.78 Mbit/s
95th percentile per-packet one-way delay: 92.353 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 18.074 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 08:45:42

End at: 2018-08-01 08:46:12

Local clock offset: -0.914 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2018-08-01 14:08:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 435.18 Mbit/s

95th percentile per-packet one-way delay: 110.215 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 250.05 Mbit/s

95th percentile per-packet one-way delay: 60.631 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 236.73 Mbit/s

95th percentile per-packet one-way delay: 174.905 ms

Loss rate: 0.87%

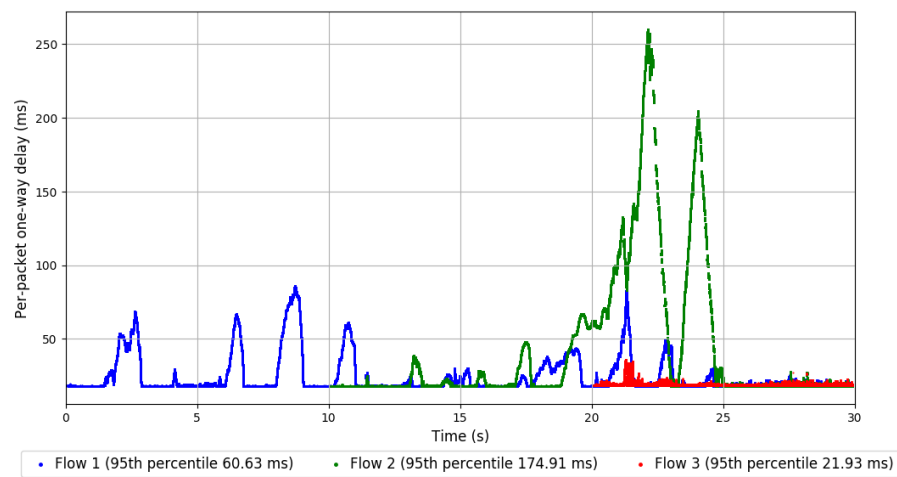
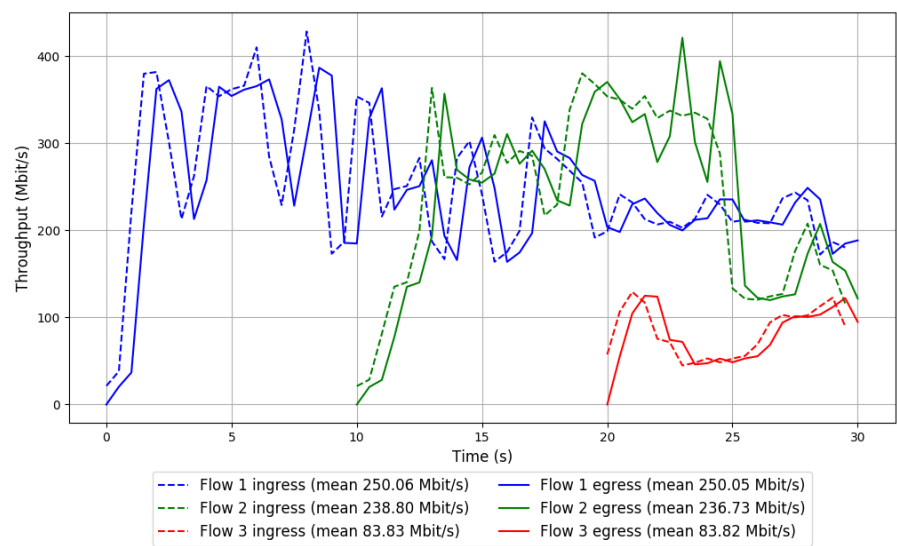
-- Flow 3:

Average throughput: 83.82 Mbit/s

95th percentile per-packet one-way delay: 21.935 ms

Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 09:13:12

End at: 2018-08-01 09:13:42

Local clock offset: -0.426 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-08-01 14:09:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 472.24 Mbit/s

95th percentile per-packet one-way delay: 151.515 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 278.43 Mbit/s

95th percentile per-packet one-way delay: 197.938 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 256.52 Mbit/s

95th percentile per-packet one-way delay: 126.356 ms

Loss rate: 0.28%

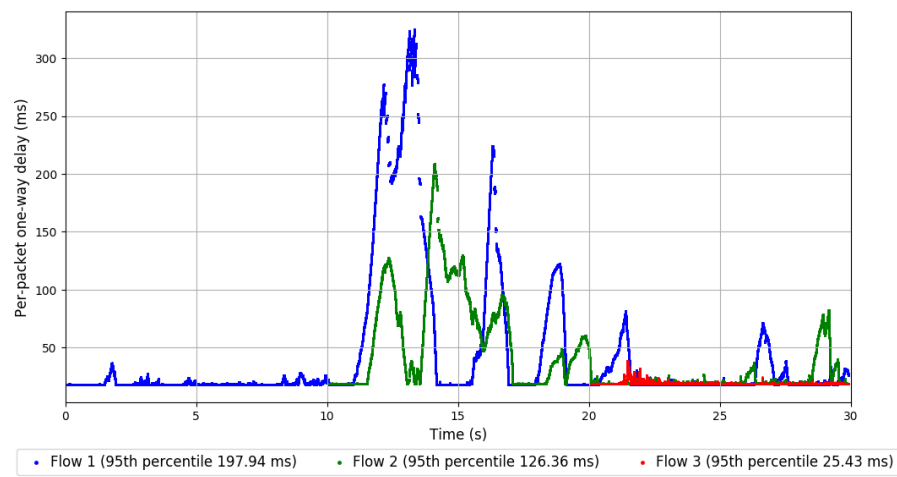
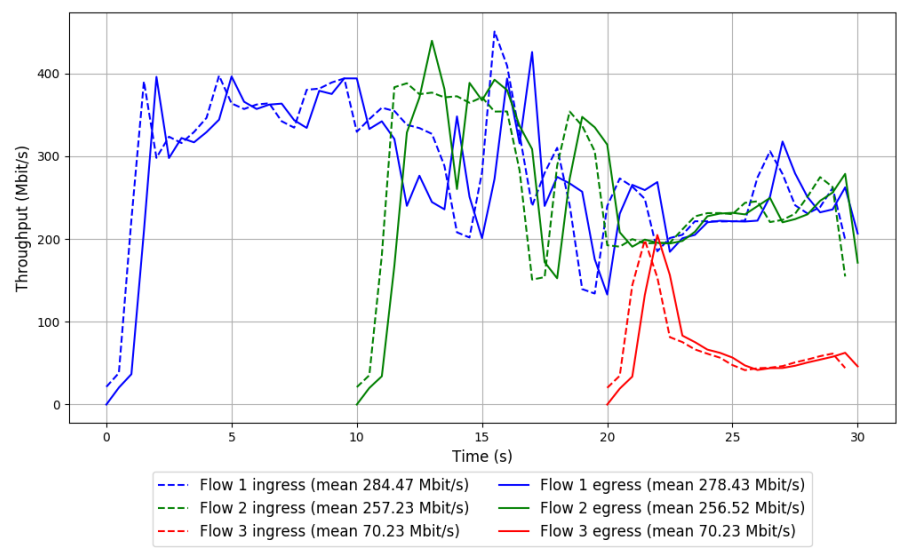
-- Flow 3:

Average throughput: 70.23 Mbit/s

95th percentile per-packet one-way delay: 25.426 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 09:40:35

End at: 2018-08-01 09:41:05

Local clock offset: -3.368 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-08-01 14:10:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 505.84 Mbit/s

95th percentile per-packet one-way delay: 236.504 ms

Loss rate: 7.46%

-- Flow 1:

Average throughput: 282.02 Mbit/s

95th percentile per-packet one-way delay: 196.186 ms

Loss rate: 3.38%

-- Flow 2:

Average throughput: 286.27 Mbit/s

95th percentile per-packet one-way delay: 251.812 ms

Loss rate: 13.87%

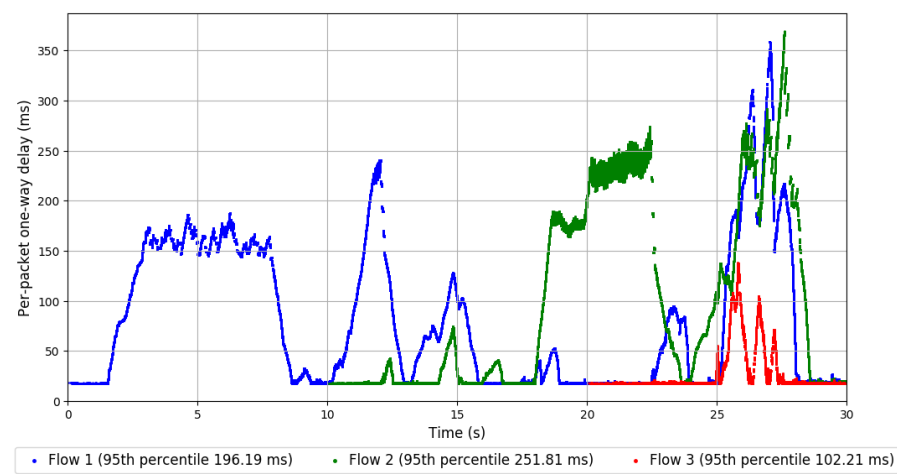
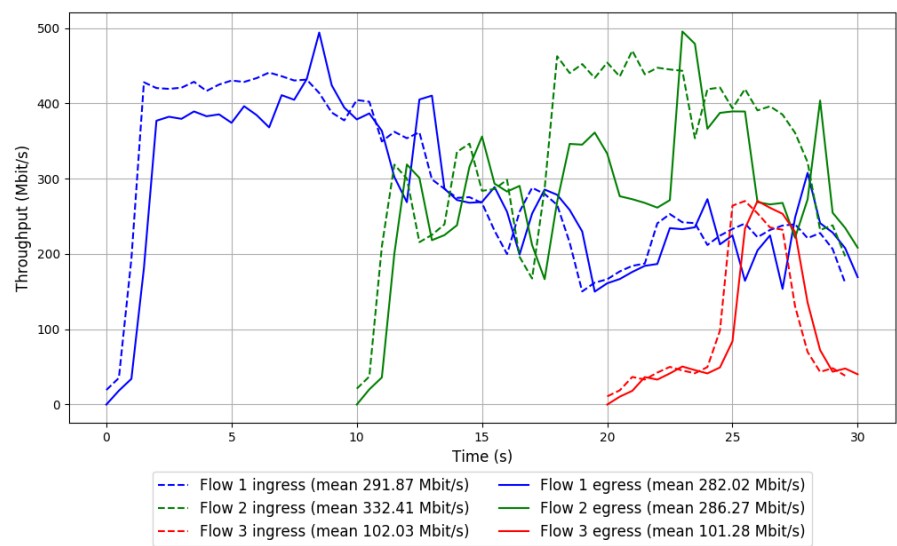
-- Flow 3:

Average throughput: 101.28 Mbit/s

95th percentile per-packet one-way delay: 102.212 ms

Loss rate: 0.74%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 10:07:56

End at: 2018-08-01 10:08:26

Local clock offset: -0.226 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-01 14:10:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 473.85 Mbit/s

95th percentile per-packet one-way delay: 99.309 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 260.22 Mbit/s

95th percentile per-packet one-way delay: 59.319 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 276.65 Mbit/s

95th percentile per-packet one-way delay: 135.263 ms

Loss rate: 0.58%

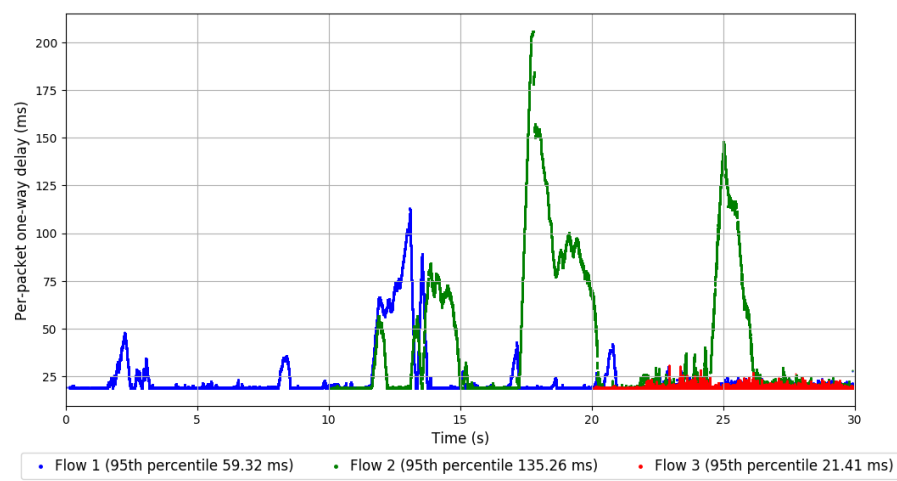
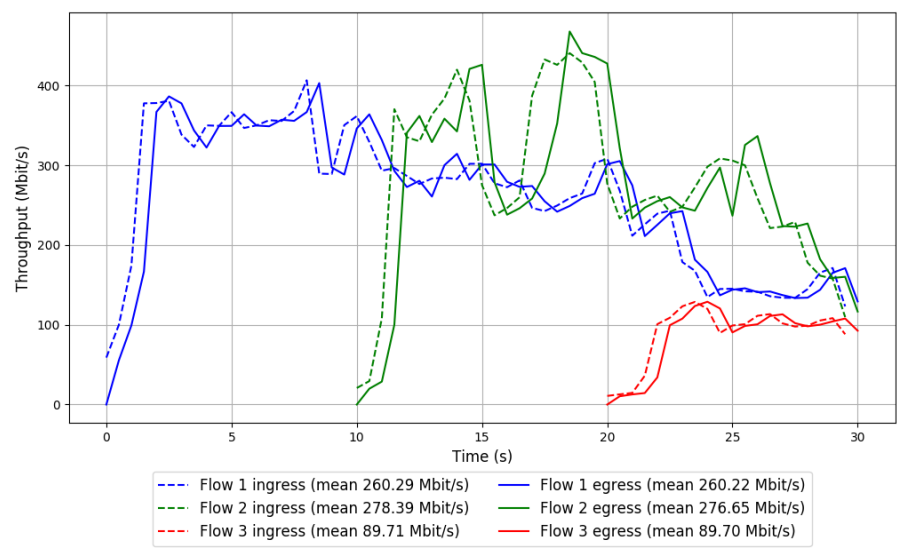
-- Flow 3:

Average throughput: 89.70 Mbit/s

95th percentile per-packet one-way delay: 21.415 ms

Loss rate: 0.01%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 10:35:16

End at: 2018-08-01 10:35:46

Local clock offset: -2.447 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-01 14:16:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 450.45 Mbit/s

95th percentile per-packet one-way delay: 182.670 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 281.99 Mbit/s

95th percentile per-packet one-way delay: 184.257 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 225.91 Mbit/s

95th percentile per-packet one-way delay: 184.722 ms

Loss rate: 0.79%

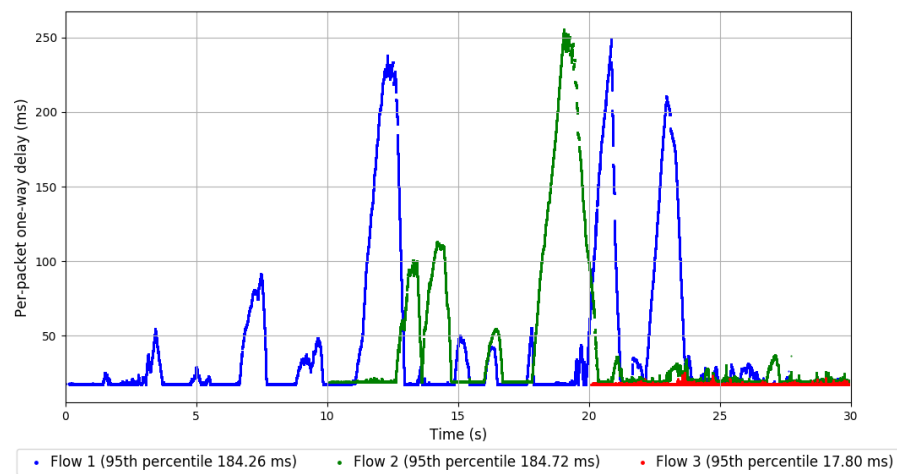
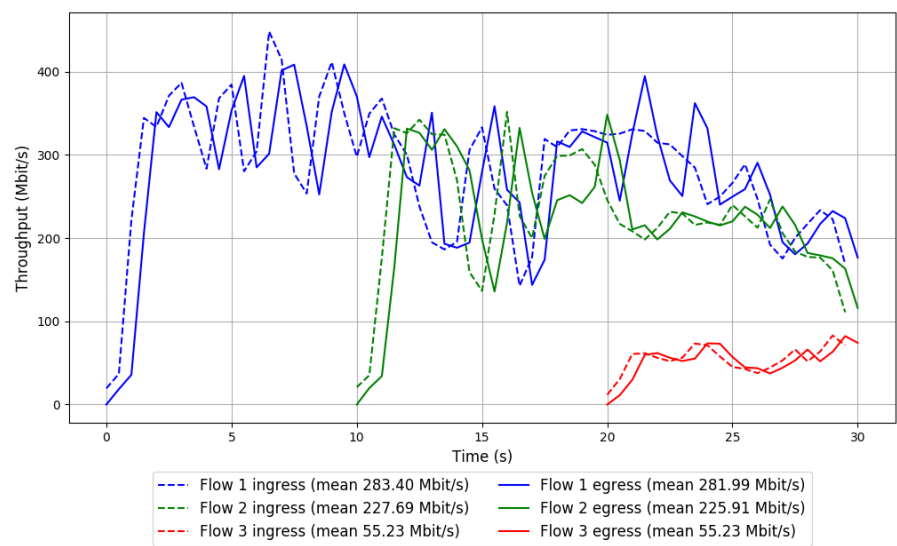
-- Flow 3:

Average throughput: 55.23 Mbit/s

95th percentile per-packet one-way delay: 17.797 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

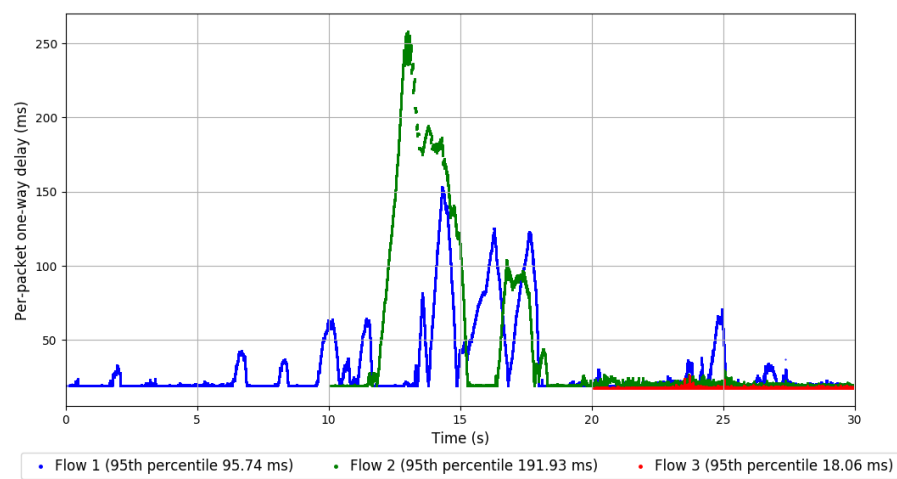
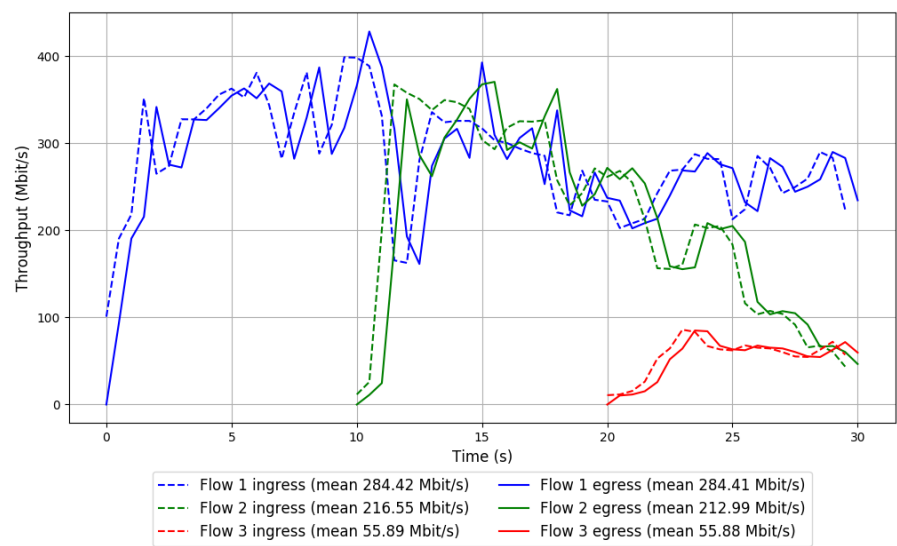


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 11:02:45
End at: 2018-08-01 11:03:15
Local clock offset: -0.802 ms
Remote clock offset: -3.587 ms

Below is generated by plot.py at 2018-08-01 14:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 444.53 Mbit/s
95th percentile per-packet one-way delay: 148.278 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 284.41 Mbit/s
95th percentile per-packet one-way delay: 95.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.99 Mbit/s
95th percentile per-packet one-way delay: 191.927 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 18.058 ms
Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link

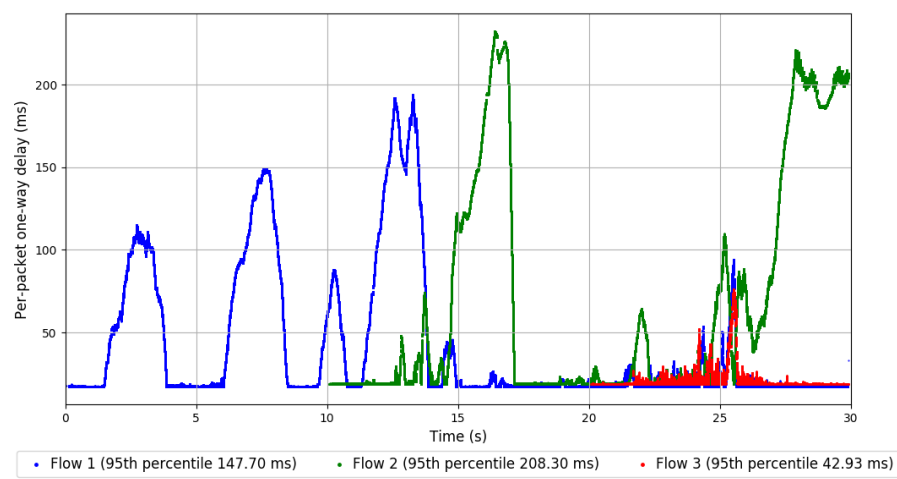
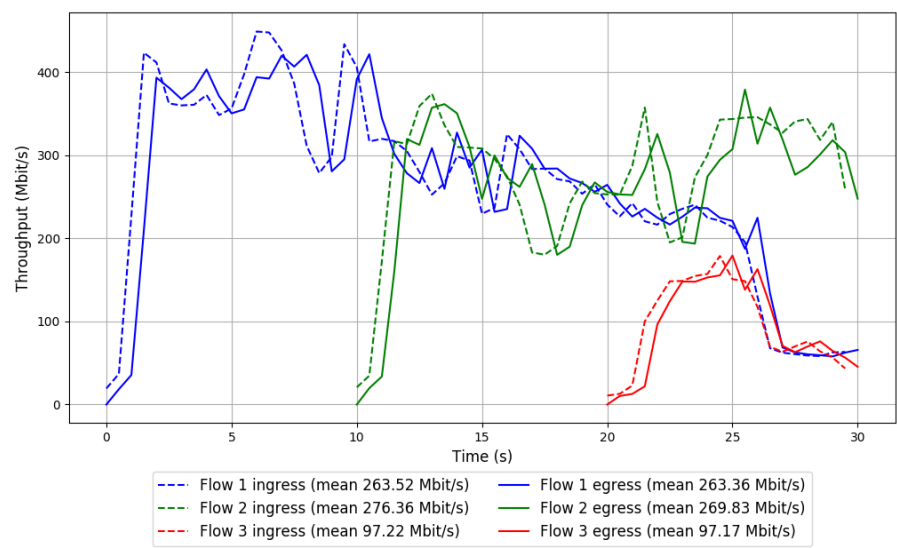


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 11:30:11
End at: 2018-08-01 11:30:41
Local clock offset: 0.464 ms
Remote clock offset: -5.692 ms

Below is generated by plot.py at 2018-08-01 14:17:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.83 Mbit/s
95th percentile per-packet one-way delay: 193.969 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 263.36 Mbit/s
95th percentile per-packet one-way delay: 147.696 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 269.83 Mbit/s
95th percentile per-packet one-way delay: 208.303 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 42.929 ms
Loss rate: 0.19%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 11:57:30

End at: 2018-08-01 11:58:00

Local clock offset: 1.66 ms

Remote clock offset: -3.88 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 473.85 Mbit/s

95th percentile per-packet one-way delay: 187.192 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 240.80 Mbit/s

95th percentile per-packet one-way delay: 207.672 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 262.86 Mbit/s

95th percentile per-packet one-way delay: 189.274 ms

Loss rate: 4.99%

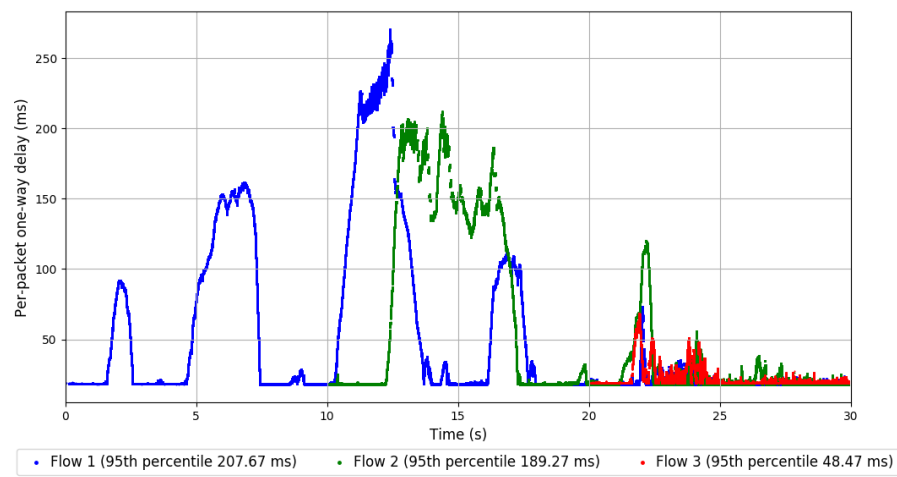
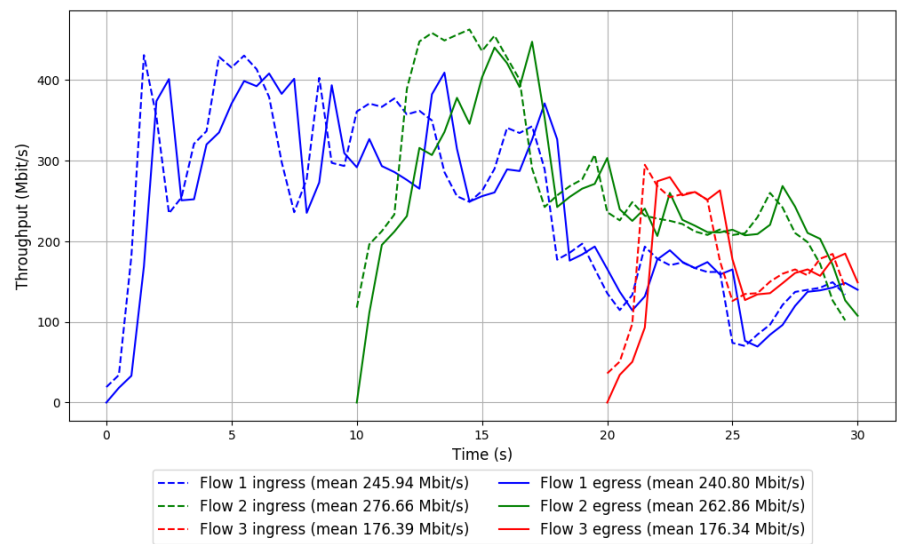
-- Flow 3:

Average throughput: 176.34 Mbit/s

95th percentile per-packet one-way delay: 48.470 ms

Loss rate: 0.03%

Run 10: Report of PCC-Expr — Data Link

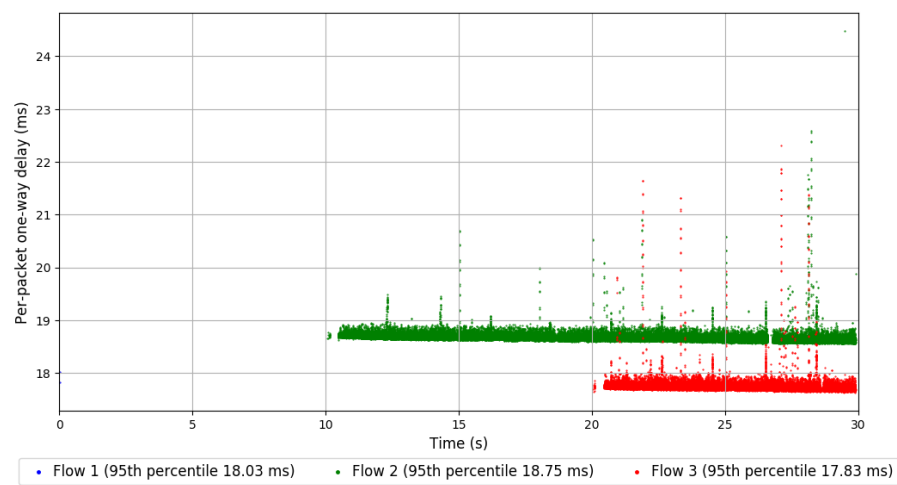
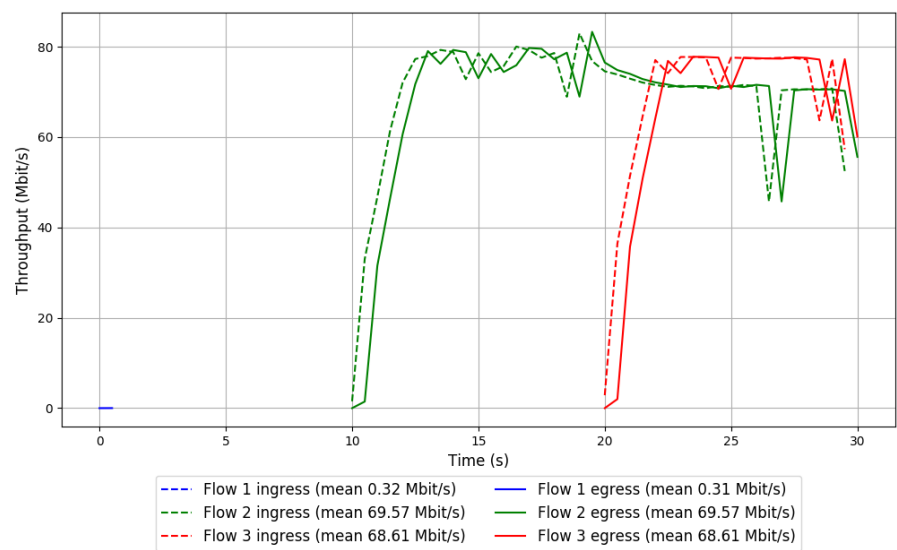


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 08:03:50
End at: 2018-08-01 08:04:20
Local clock offset: 0.919 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 18.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 18.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 18.753 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 17.826 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 08:31:09

End at: 2018-08-01 08:31:39

Local clock offset: -0.825 ms

Remote clock offset: 1.302 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.61 Mbit/s

95th percentile per-packet one-way delay: 19.680 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 72.21 Mbit/s

95th percentile per-packet one-way delay: 20.360 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 18.947 ms

Loss rate: 0.01%

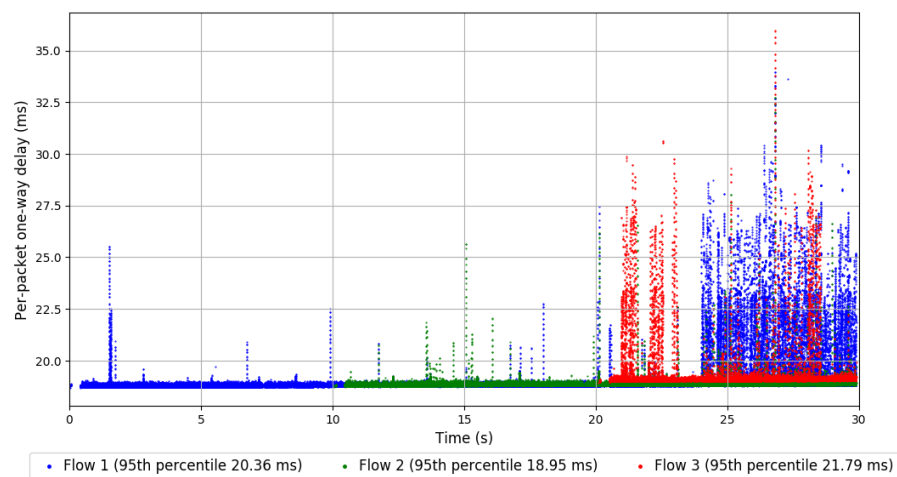
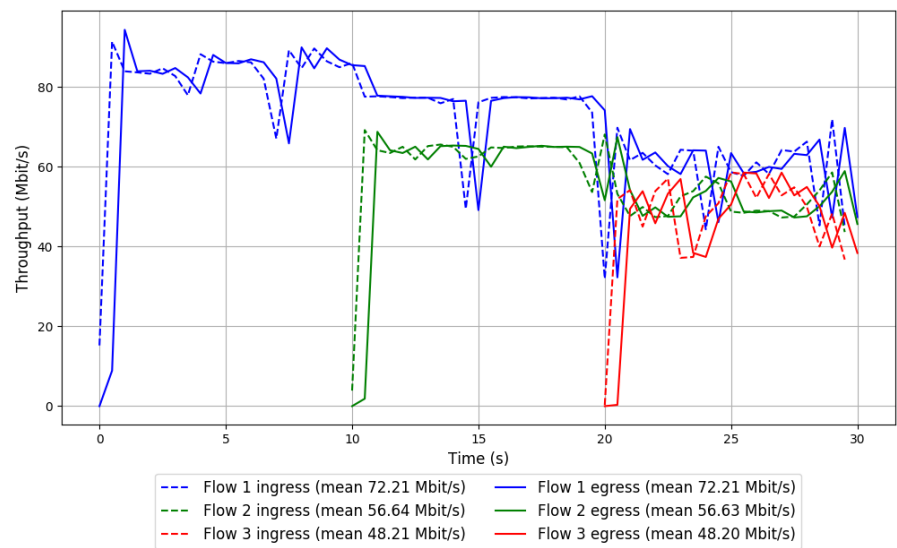
-- Flow 3:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 21.794 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 08:58:38

End at: 2018-08-01 08:59:08

Local clock offset: -0.543 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.10 Mbit/s

95th percentile per-packet one-way delay: 18.755 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.86 Mbit/s

95th percentile per-packet one-way delay: 18.081 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.00%

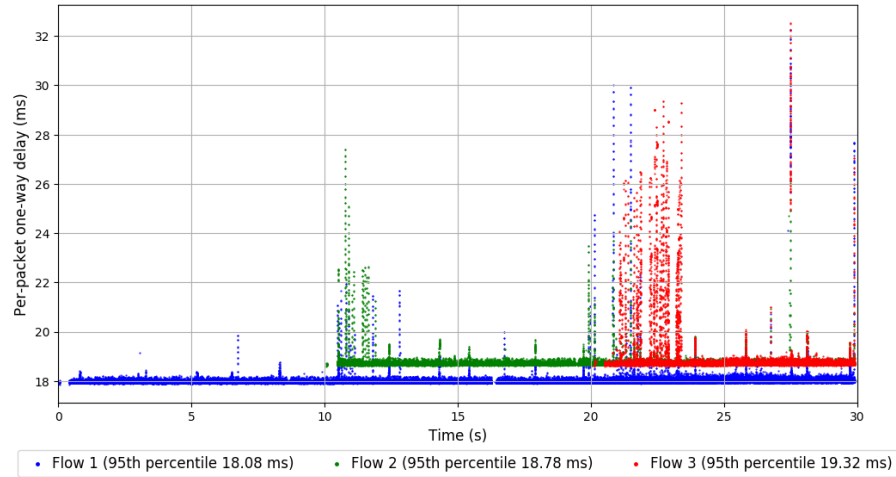
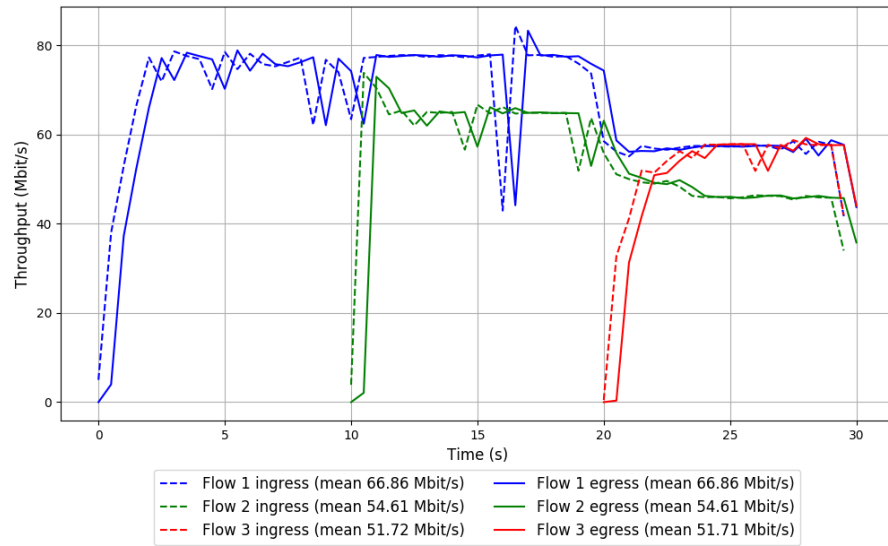
-- Flow 3:

Average throughput: 51.71 Mbit/s

95th percentile per-packet one-way delay: 19.316 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 09:26:16

End at: 2018-08-01 09:26:46

Local clock offset: -1.402 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.21 Mbit/s

95th percentile per-packet one-way delay: 20.413 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 64.98 Mbit/s

95th percentile per-packet one-way delay: 19.547 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 57.85 Mbit/s

95th percentile per-packet one-way delay: 20.443 ms

Loss rate: 0.20%

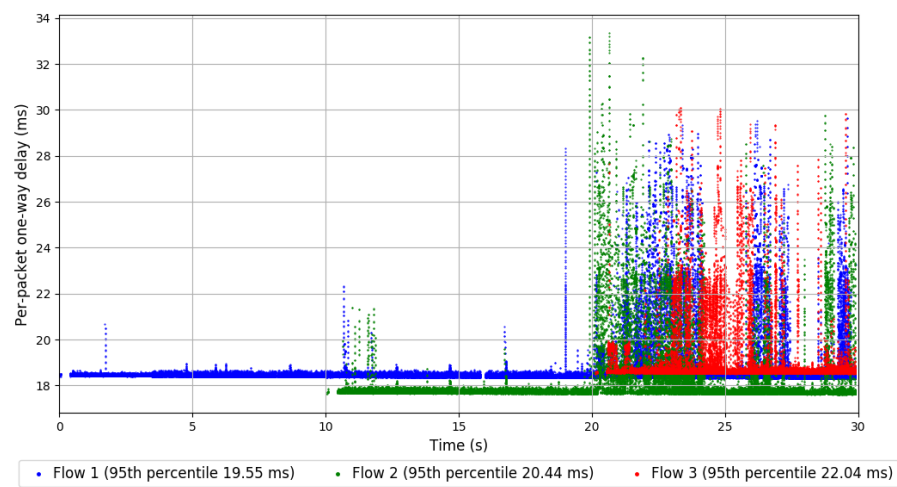
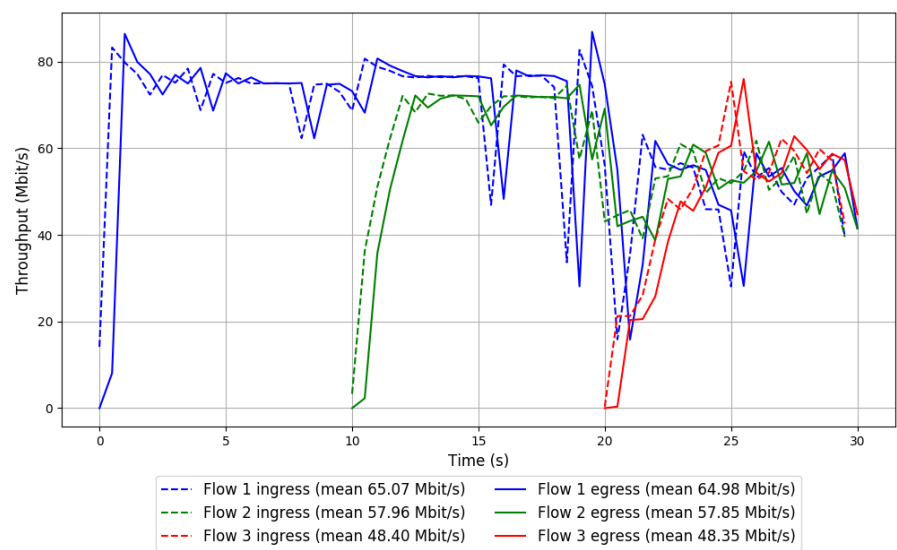
-- Flow 3:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 22.044 ms

Loss rate: 0.10%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 09:53:32

End at: 2018-08-01 09:54:02

Local clock offset: -3.857 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.49 Mbit/s

95th percentile per-packet one-way delay: 19.575 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 17.902 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 62.59 Mbit/s

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

Loss rate: 0.17%

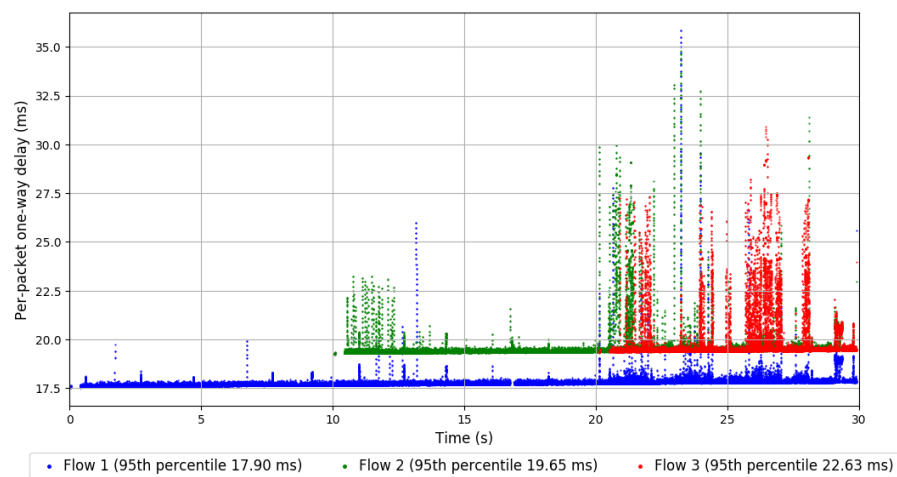
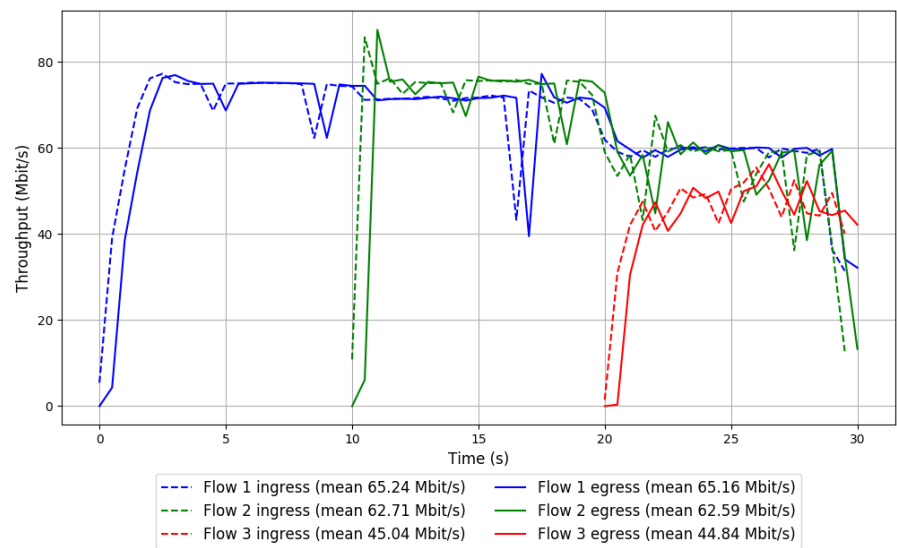
-- Flow 3:

Average throughput: 44.84 Mbit/s

95th percentile per-packet one-way delay: 22.629 ms

Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 10:20:53

End at: 2018-08-01 10:21:23

Local clock offset: 0.579 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.03 Mbit/s

95th percentile per-packet one-way delay: 19.403 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.93 Mbit/s

95th percentile per-packet one-way delay: 20.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.20 Mbit/s

95th percentile per-packet one-way delay: 18.924 ms

Loss rate: 0.00%

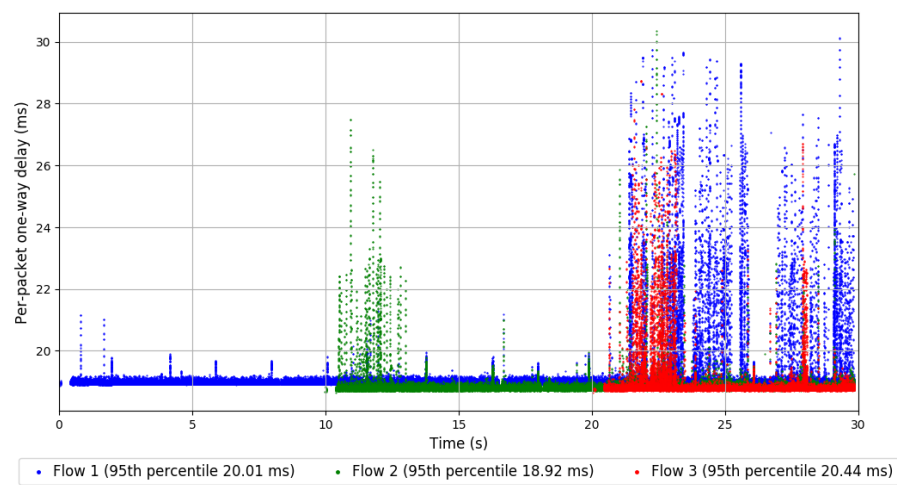
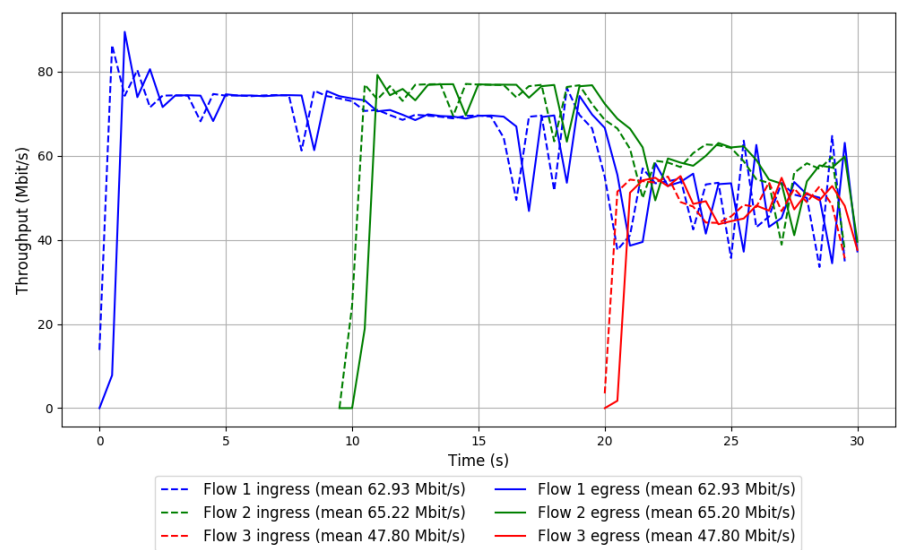
-- Flow 3:

Average throughput: 47.80 Mbit/s

95th percentile per-packet one-way delay: 20.444 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

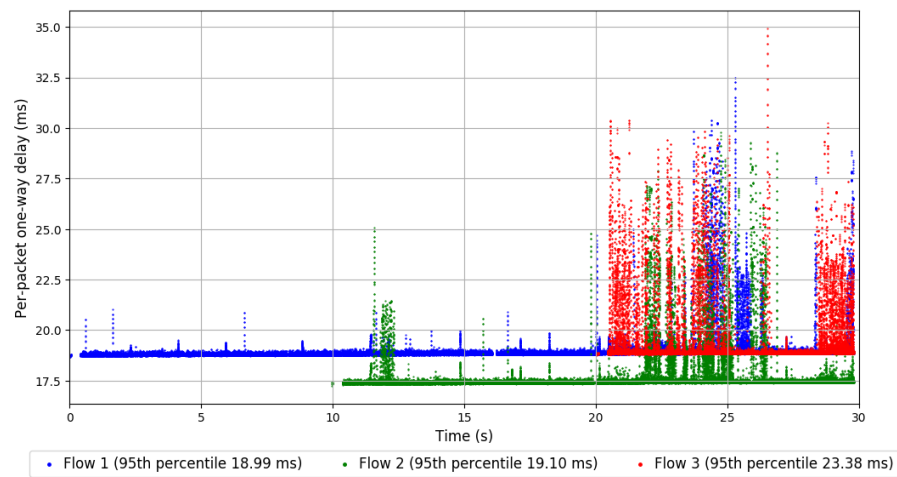
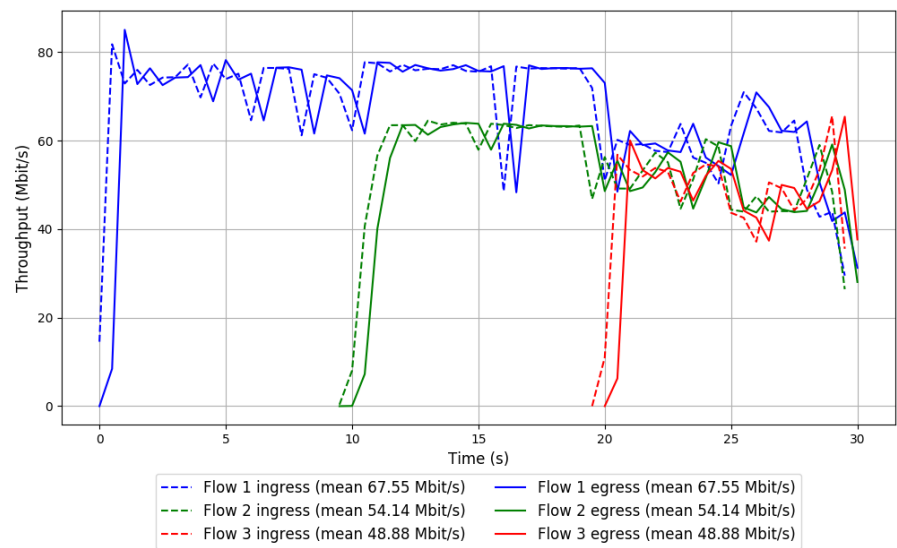


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 10:48:10
End at: 2018-08-01 10:48:40
Local clock offset: -3.519 ms
Remote clock offset: -0.978 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.68 Mbit/s
95th percentile per-packet one-way delay: 19.435 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 18.987 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 23.377 ms
Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 11:15:37

End at: 2018-08-01 11:16:07

Local clock offset: 0.301 ms

Remote clock offset: -4.8 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.63 Mbit/s

95th percentile per-packet one-way delay: 20.074 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 66.90 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.33 Mbit/s

95th percentile per-packet one-way delay: 19.062 ms

Loss rate: 0.01%

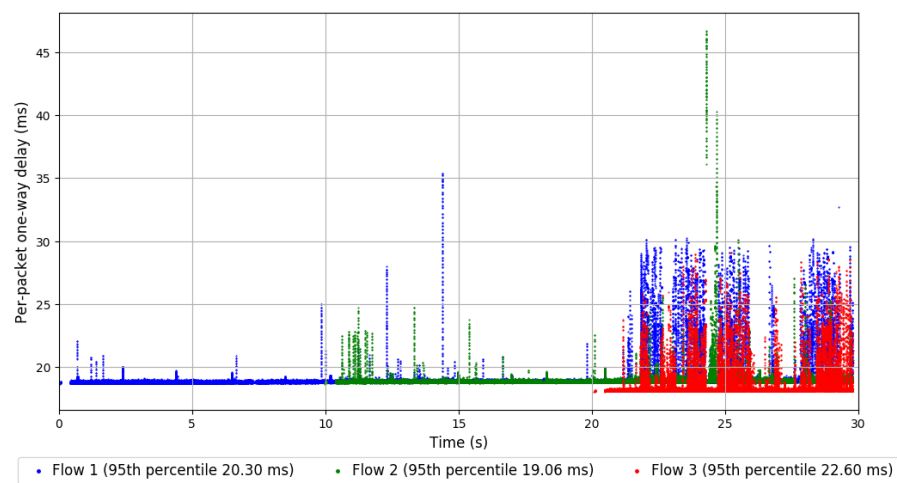
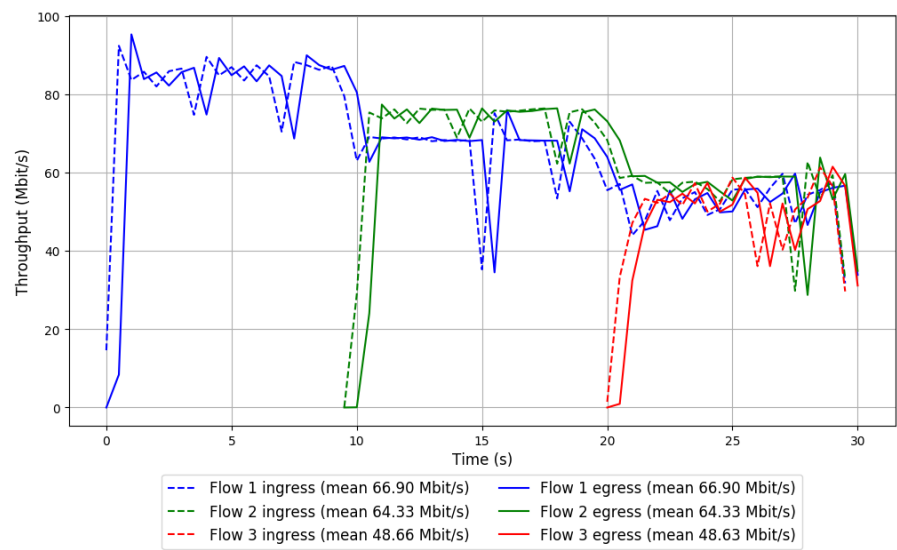
-- Flow 3:

Average throughput: 48.63 Mbit/s

95th percentile per-packet one-way delay: 22.603 ms

Loss rate: 0.06%

Run 8: Report of QUIC Cubic — Data Link

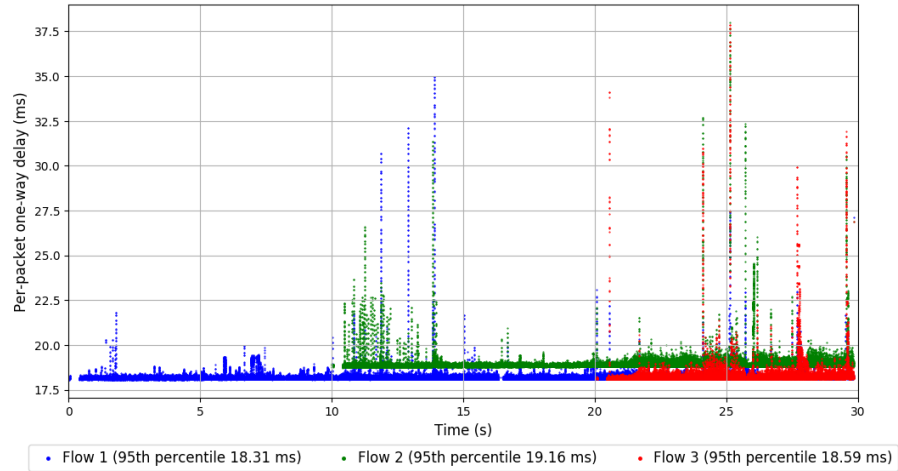
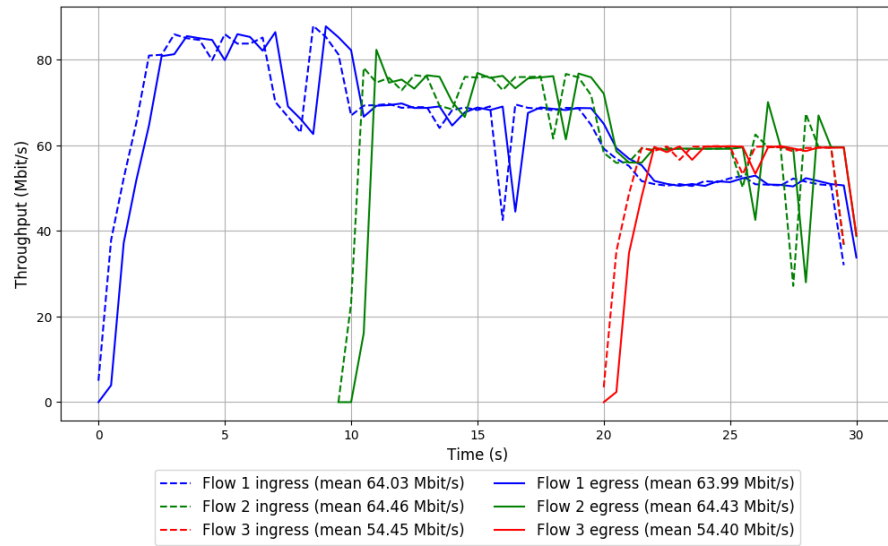


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 11:43:06
End at: 2018-08-01 11:43:36
Local clock offset: 0.348 ms
Remote clock offset: -6.579 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.77 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 18.307 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 18.591 ms
Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 12:10:21

End at: 2018-08-01 12:10:51

Local clock offset: 3.423 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.05 Mbit/s

95th percentile per-packet one-way delay: 21.646 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 60.60 Mbit/s

95th percentile per-packet one-way delay: 20.427 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 21.883 ms

Loss rate: 0.03%

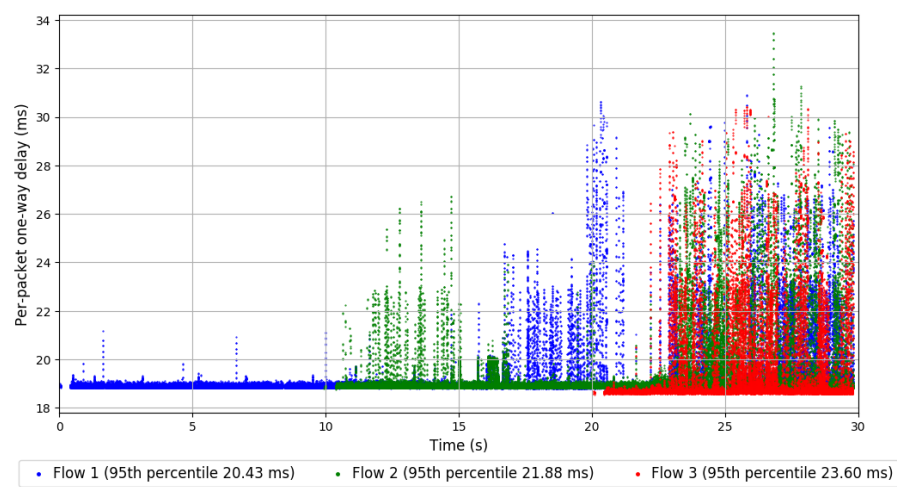
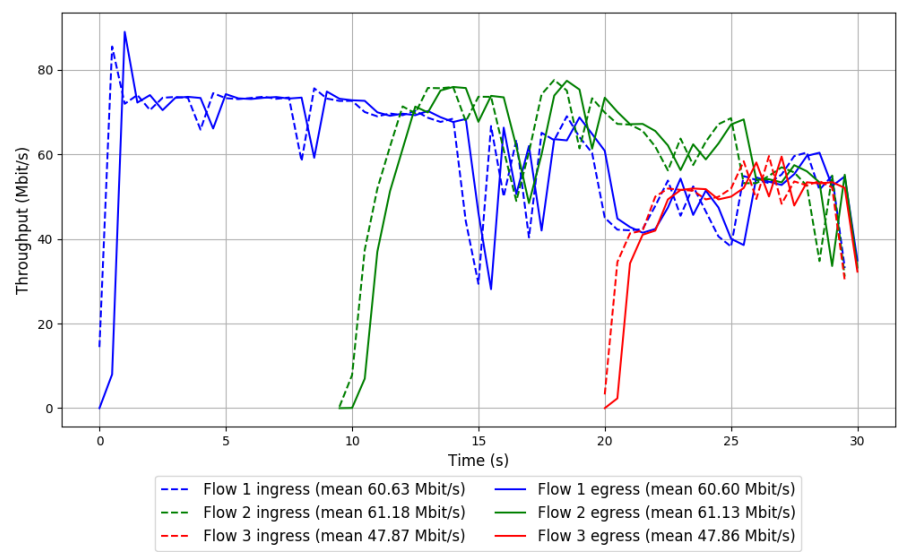
-- Flow 3:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 23.603 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

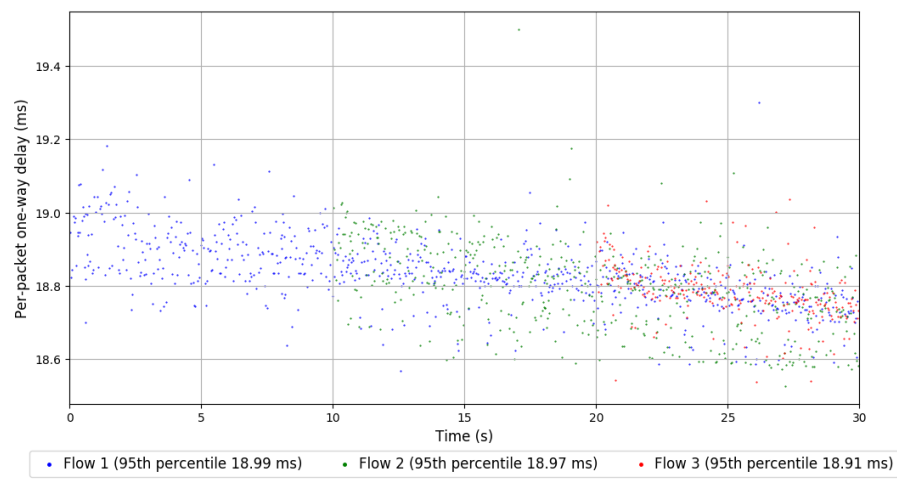
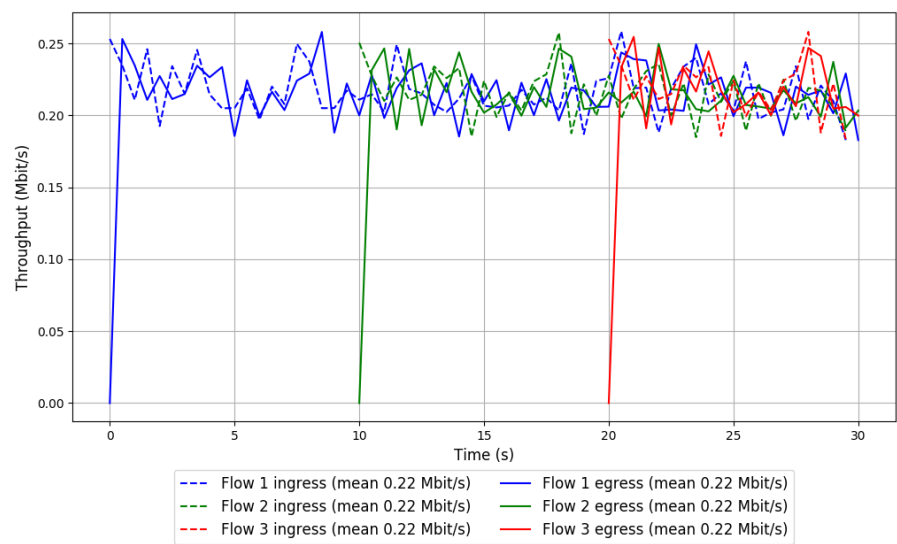


```
Run 1: Statistics of SReAM

Start at: 2018-08-01 08:00:51
End at: 2018-08-01 08:01:21
Local clock offset: 1.698 ms
Remote clock offset: -0.596 ms

# Below is generated by plot.py at 2018-08-01 14:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-08-01 08:28:11

End at: 2018-08-01 08:28:41

Local clock offset: -0.96 ms

Remote clock offset: 1.776 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 19.229 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.847 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.284 ms

Loss rate: 0.00%

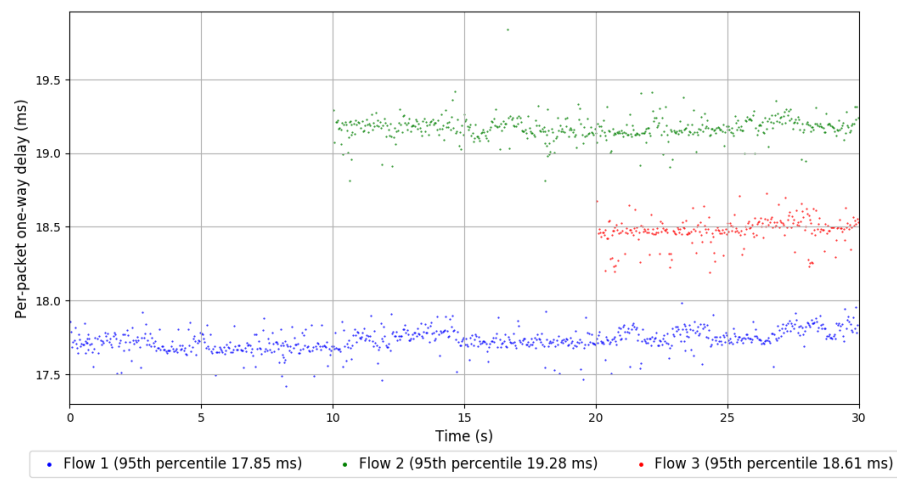
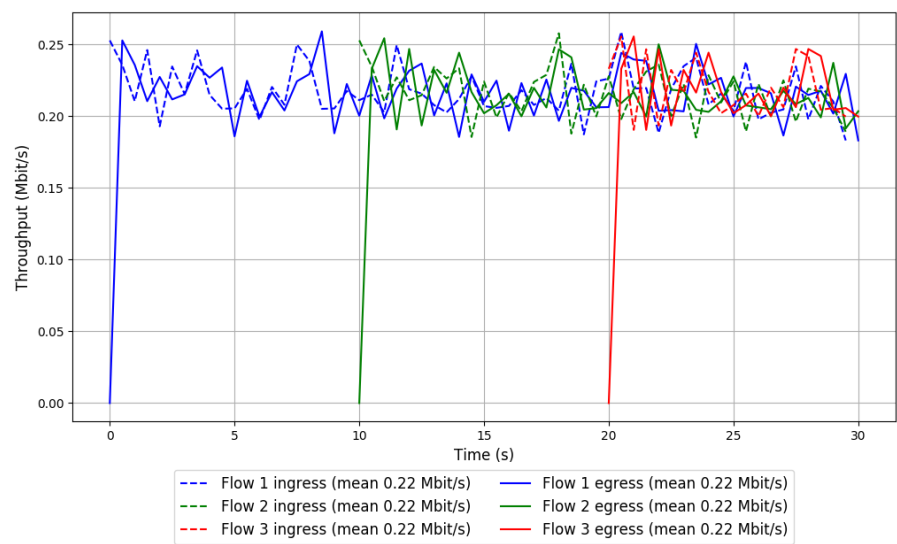
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.611 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

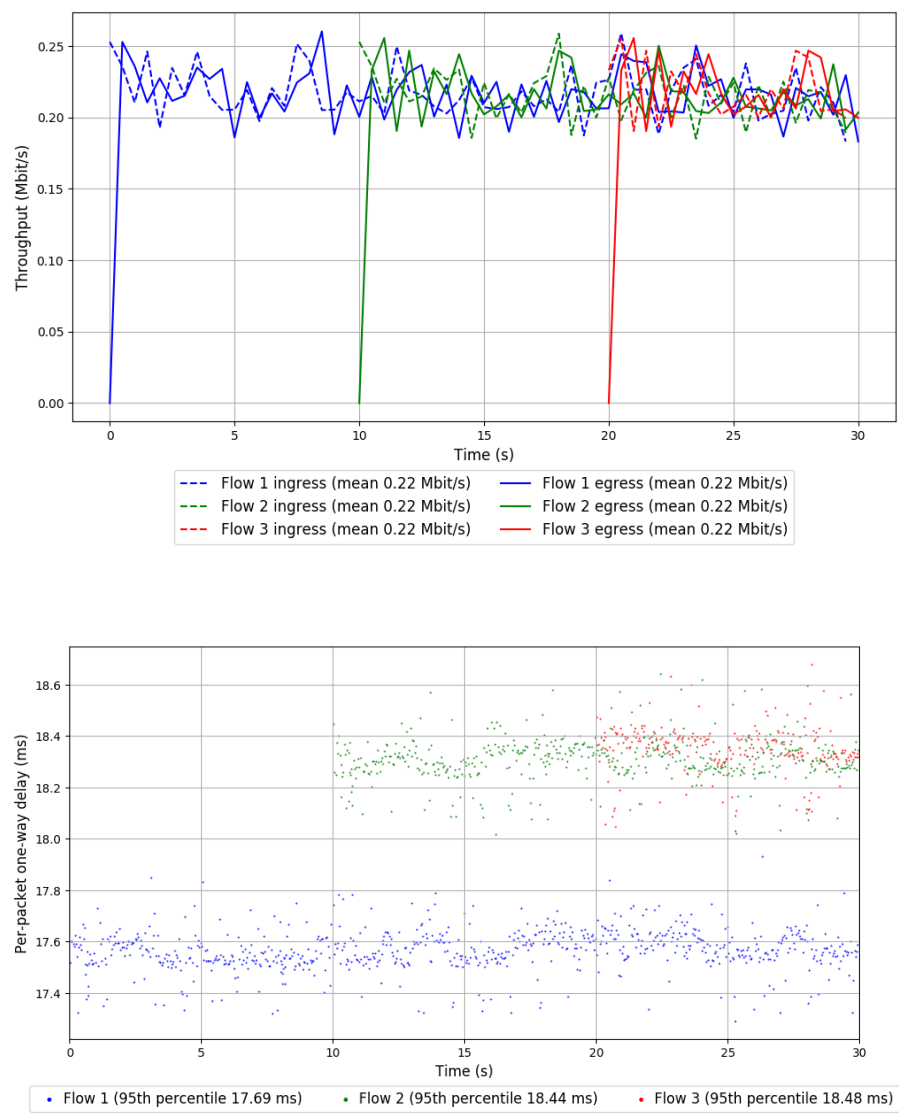


Run 3: Statistics of SReAM

Start at: 2018-08-01 08:55:40
End at: 2018-08-01 08:56:10
Local clock offset: -0.734 ms
Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.479 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

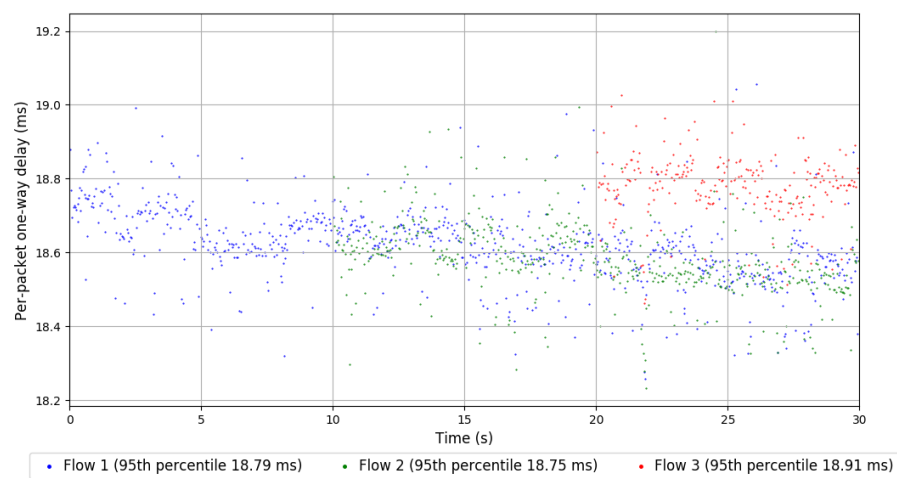
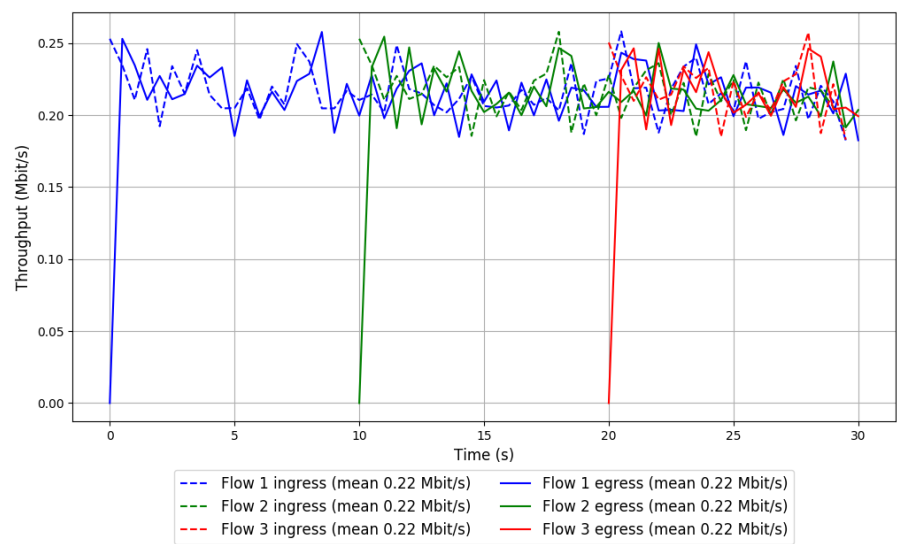


Run 4: Statistics of SReAM

Start at: 2018-08-01 09:23:19
End at: 2018-08-01 09:23:49
Local clock offset: -0.598 ms
Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.907 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

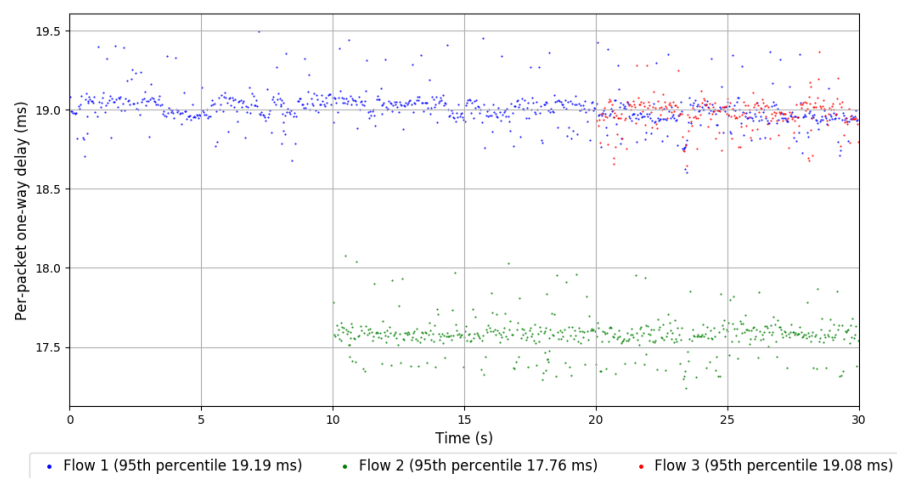
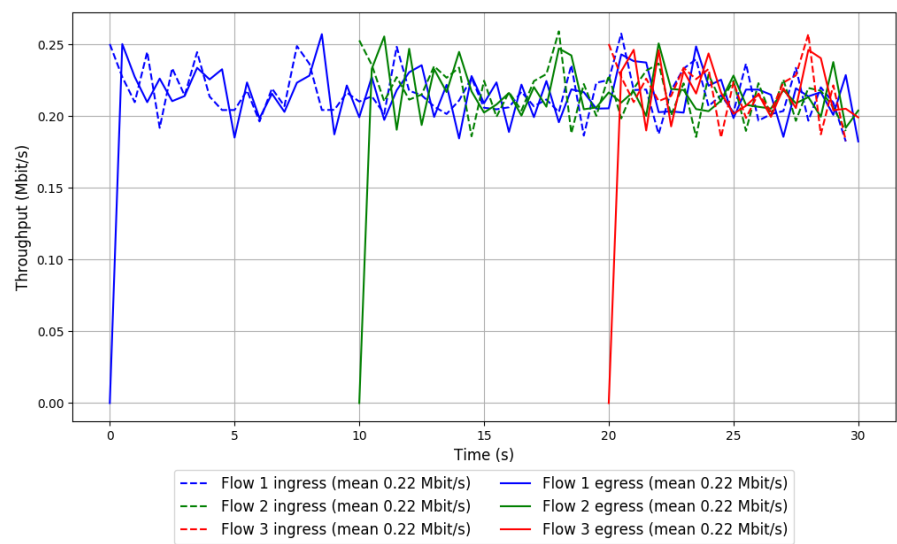


Run 5: Statistics of SReAM

Start at: 2018-08-01 09:50:35
End at: 2018-08-01 09:51:05
Local clock offset: -4.074 ms
Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.763 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-01 10:17:55

End at: 2018-08-01 10:18:25

Local clock offset: 0.376 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.413 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.343 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.211 ms

Loss rate: 0.00%

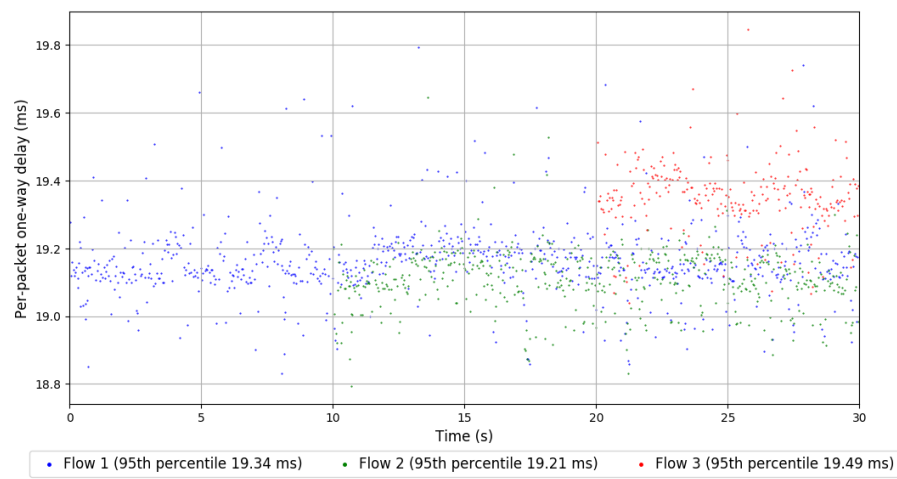
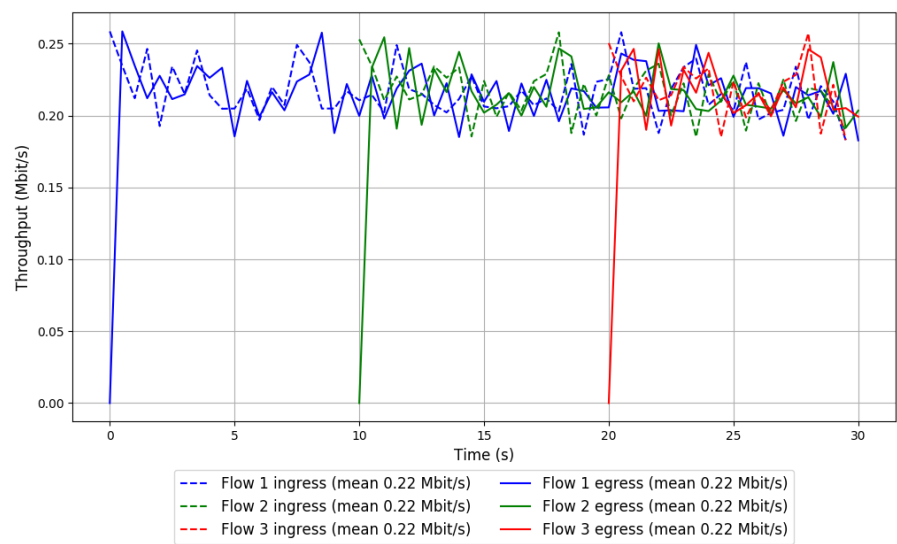
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.487 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

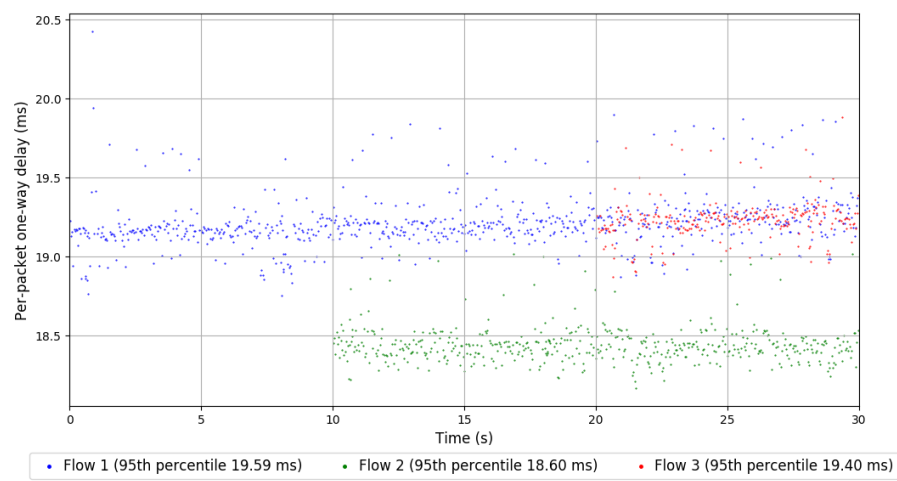
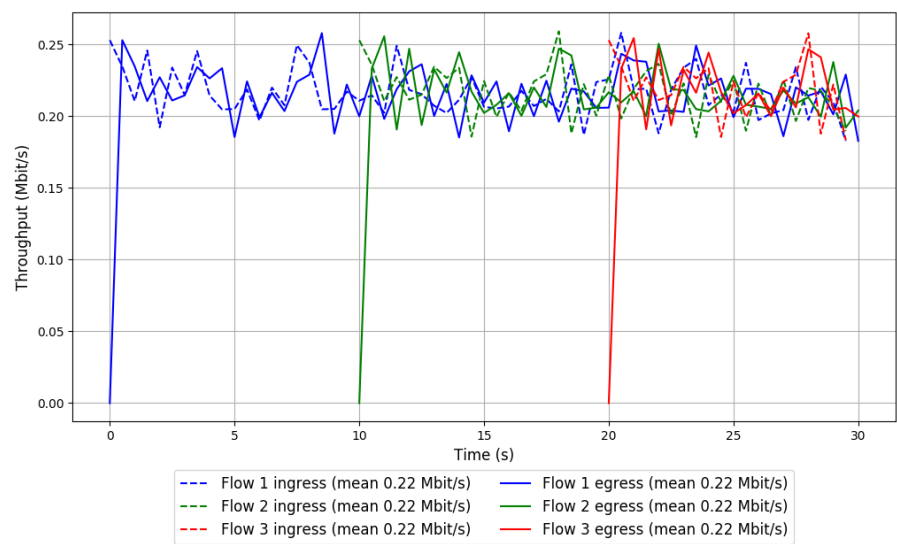


Run 7: Statistics of SReAM

Start at: 2018-08-01 10:45:13
End at: 2018-08-01 10:45:43
Local clock offset: -3.427 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-08-01 11:12:40

End at: 2018-08-01 11:13:10

Local clock offset: 0.197 ms

Remote clock offset: -4.45 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.207 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.905 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.566 ms

Loss rate: 0.00%

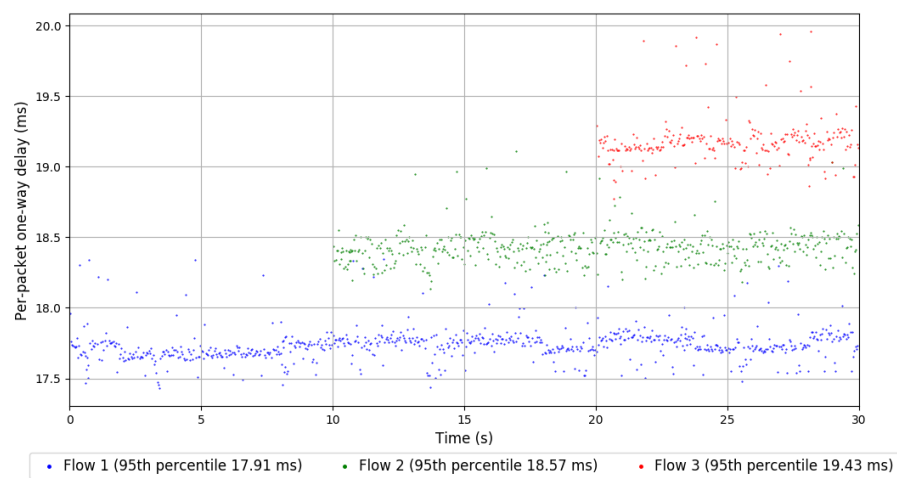
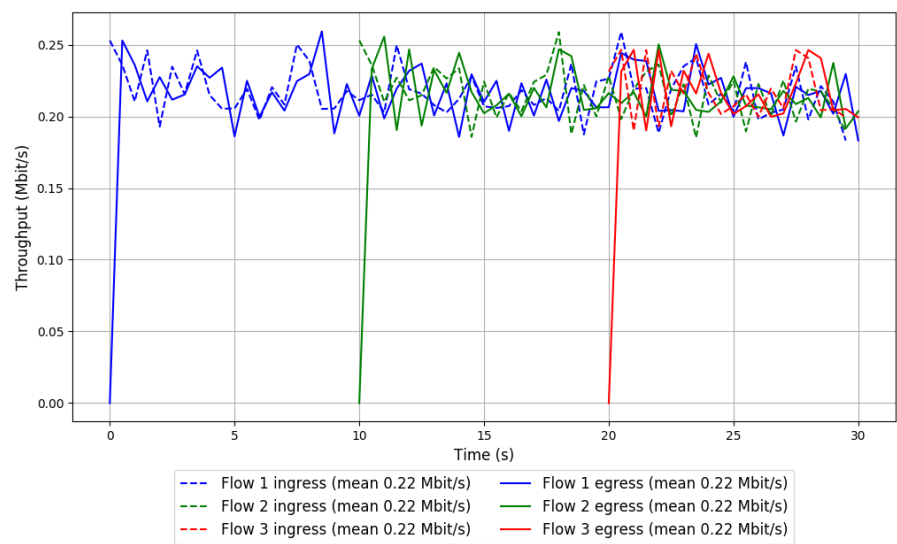
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.427 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

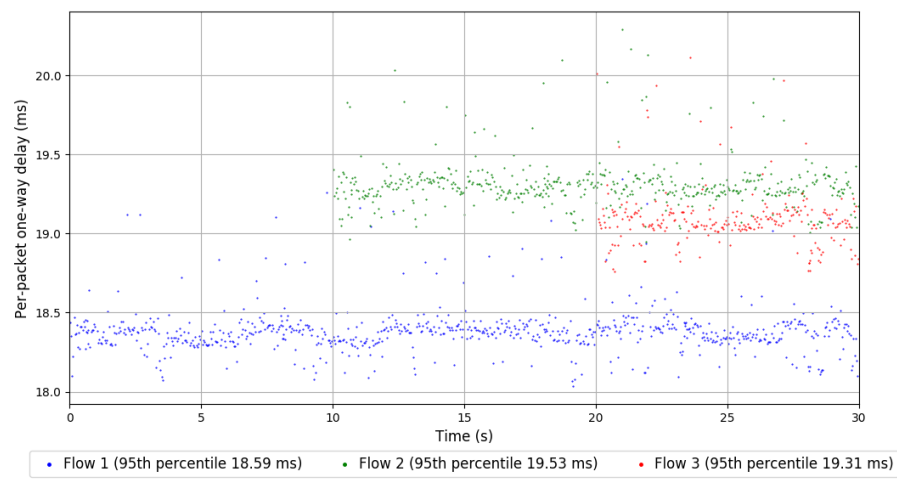
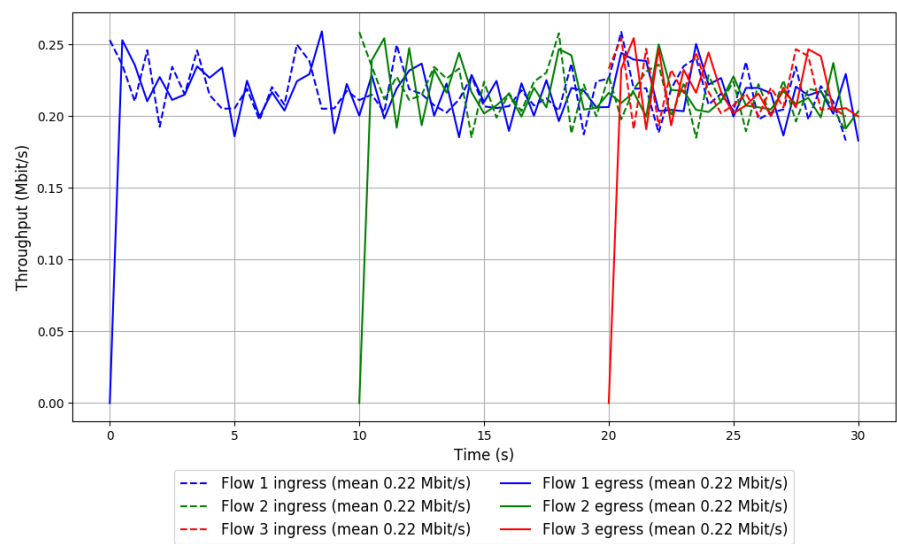


Run 9: Statistics of SReAM

Start at: 2018-08-01 11:40:07
End at: 2018-08-01 11:40:37
Local clock offset: 0.352 ms
Remote clock offset: -6.427 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

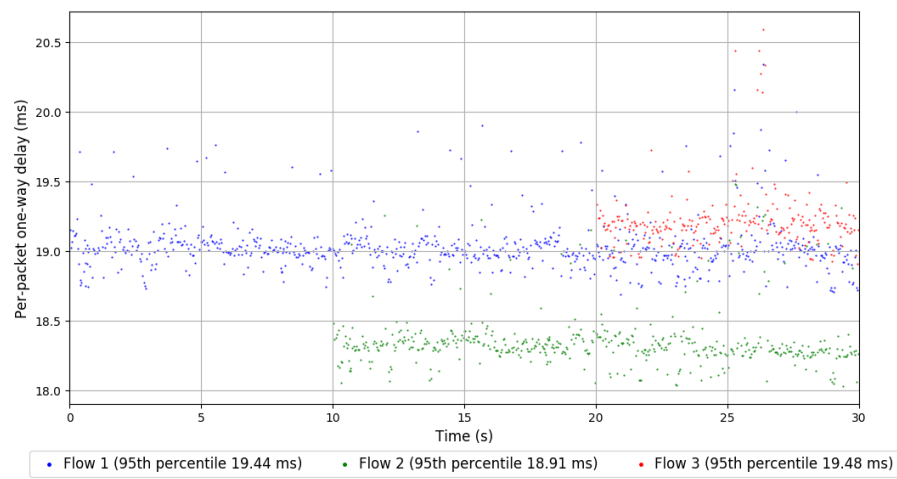
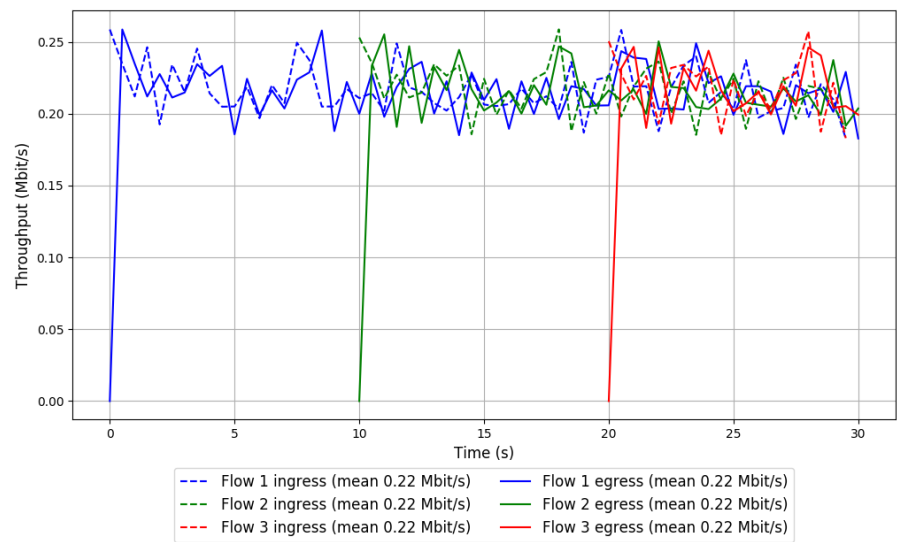


Run 10: Statistics of SReAM

Start at: 2018-08-01 12:07:26
End at: 2018-08-01 12:07:56
Local clock offset: 3.194 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.480 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

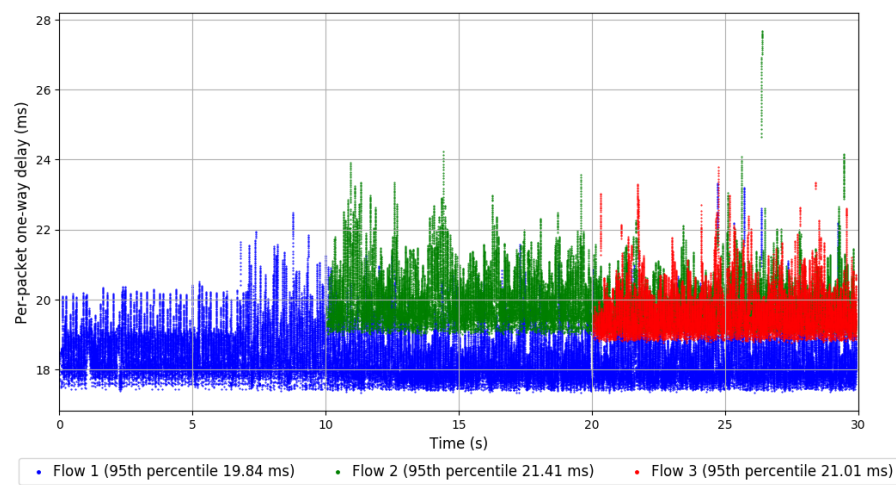
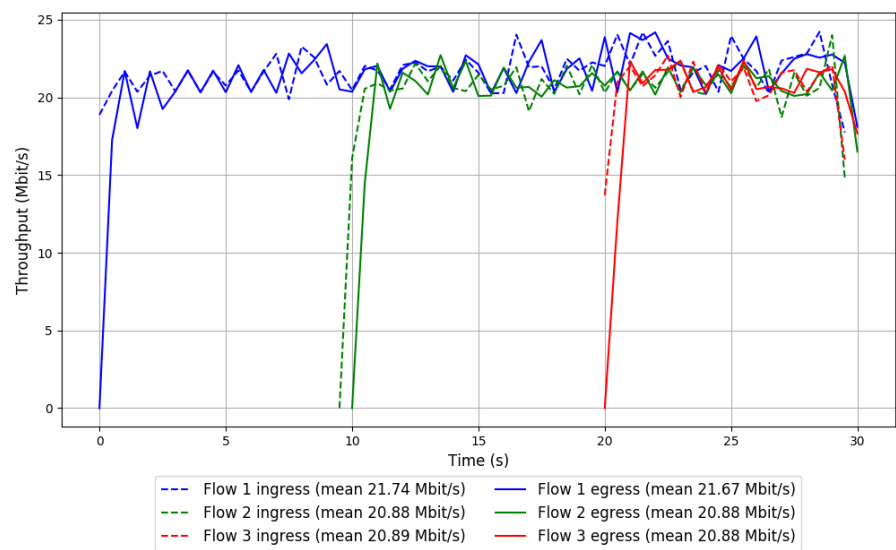


Run 1: Statistics of Sprout

Start at: 2018-08-01 07:44:16
End at: 2018-08-01 07:44:46
Local clock offset: 5.02 ms
Remote clock offset: -2.319 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 20.900 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 19.843 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 21.006 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

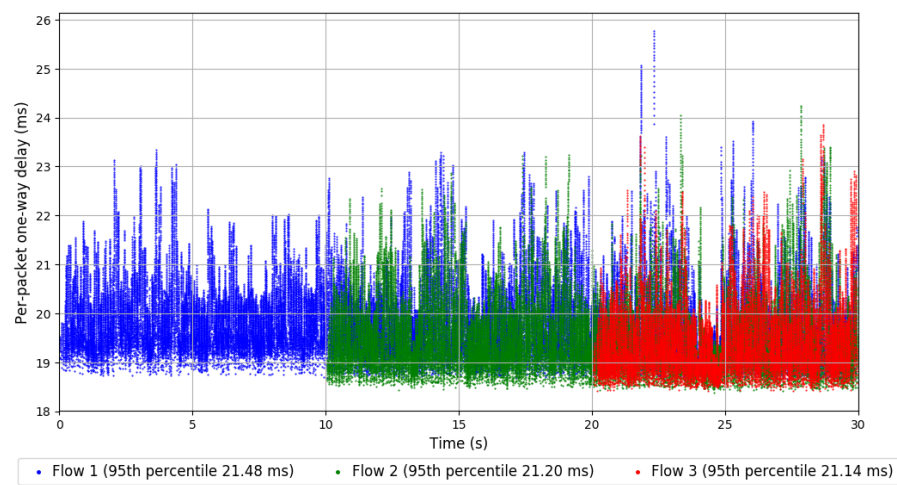
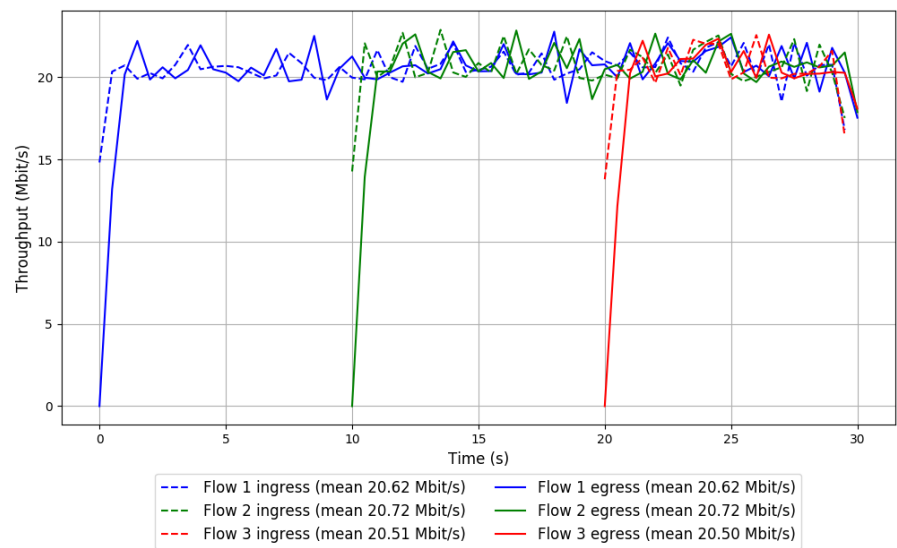


Run 2: Statistics of Sprout

Start at: 2018-08-01 08:11:42
End at: 2018-08-01 08:12:12
Local clock offset: -0.453 ms
Remote clock offset: 0.625 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 21.349 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 21.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.72 Mbit/s
95th percentile per-packet one-way delay: 21.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 21.139 ms
Loss rate: 0.06%

Run 2: Report of Sprout — Data Link

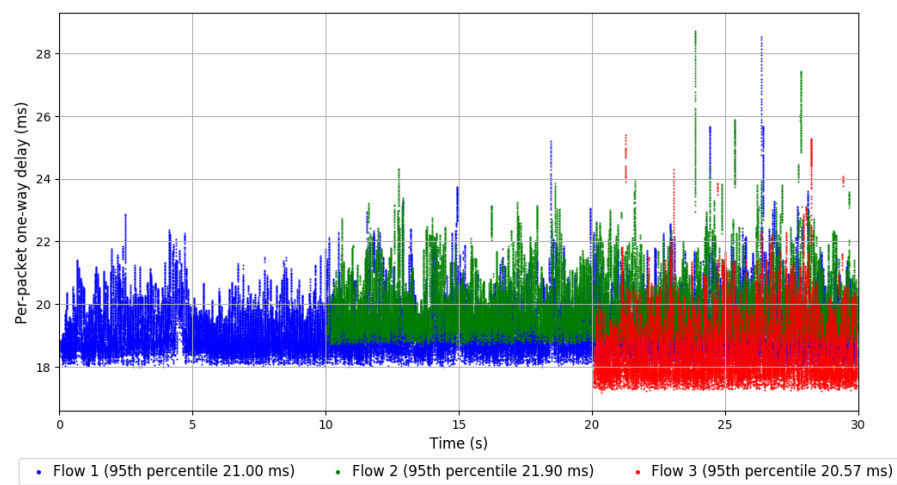
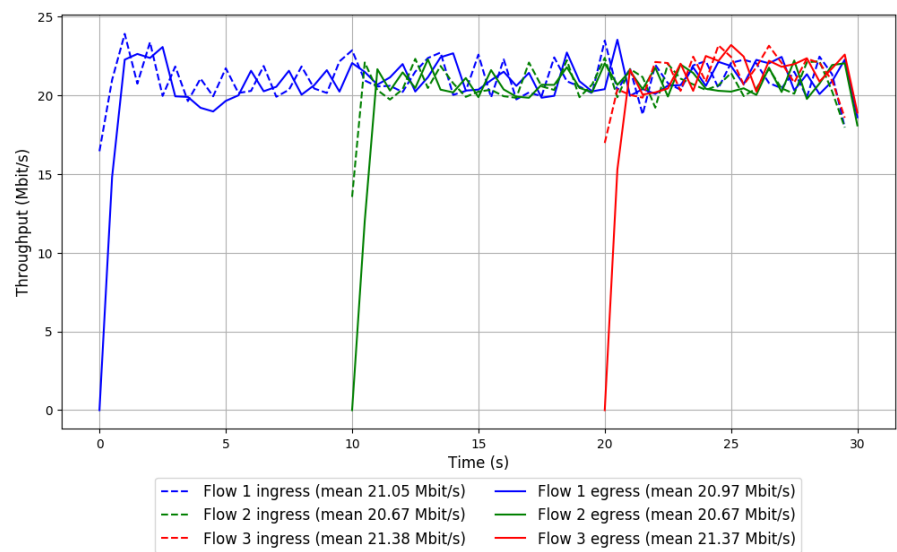


Run 3: Statistics of Sprout

Start at: 2018-08-01 08:39:04
End at: 2018-08-01 08:39:34
Local clock offset: -0.725 ms
Remote clock offset: 0.699 ms

```
# Below is generated by plot.py at 2018-08-01 14:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 21.361 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 21.002 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 21.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 20.573 ms
Loss rate: 0.02%
```


Run 3: Report of Sprout — Data Link

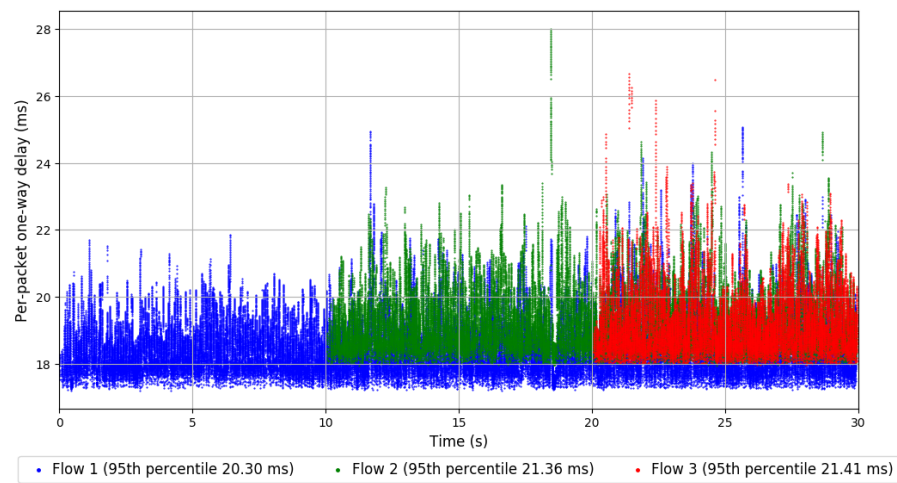
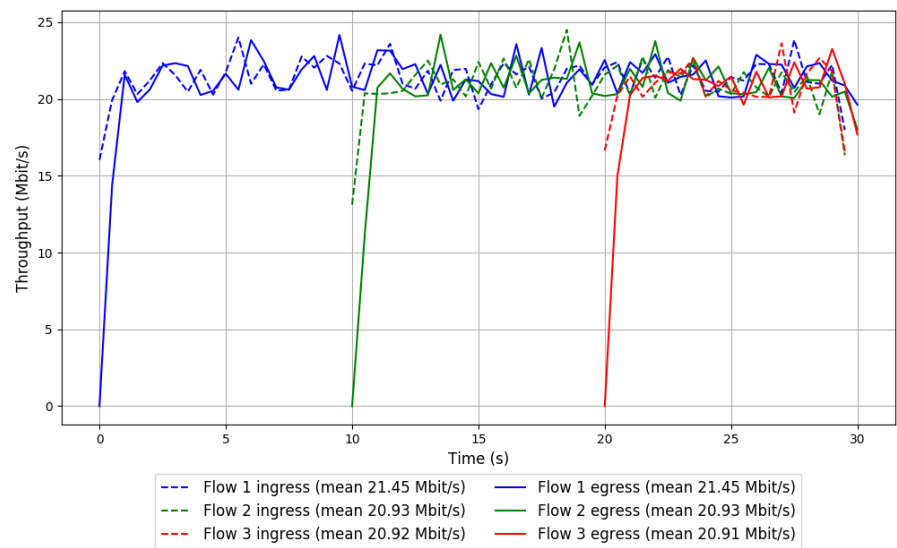


Run 4: Statistics of Sprout

Start at: 2018-08-01 09:06:35
End at: 2018-08-01 09:07:05
Local clock offset: -0.334 ms
Remote clock offset: 0.32 ms

```
# Below is generated by plot.py at 2018-08-01 14:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 21.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

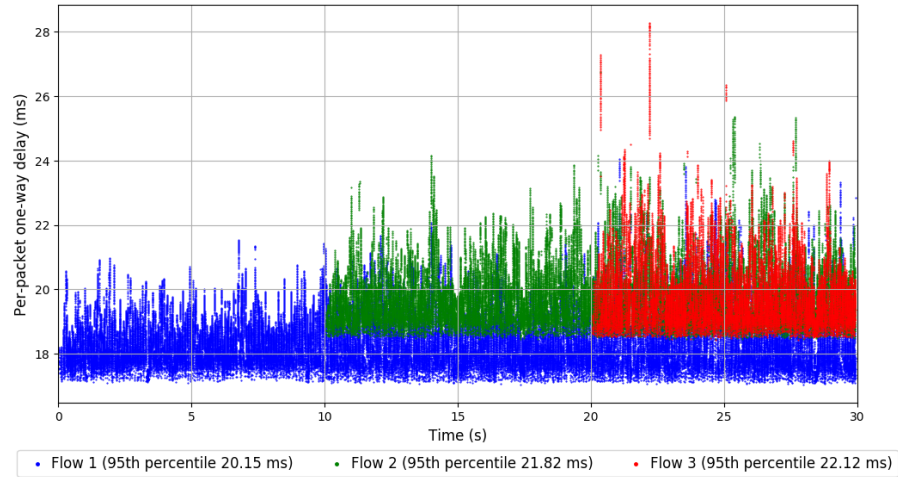
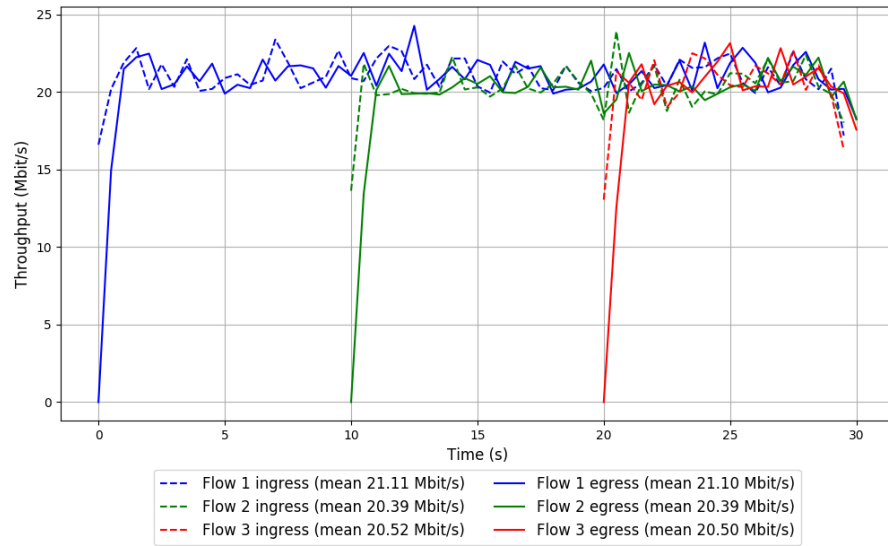


Run 5: Statistics of Sprout

Start at: 2018-08-01 09:34:07
End at: 2018-08-01 09:34:37
Local clock offset: -2.706 ms
Remote clock offset: 0.207 ms

```
# Below is generated by plot.py at 2018-08-01 14:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 21.392 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 20.148 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 21.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 22.124 ms
Loss rate: 0.08%
```

Run 5: Report of Sprout — Data Link

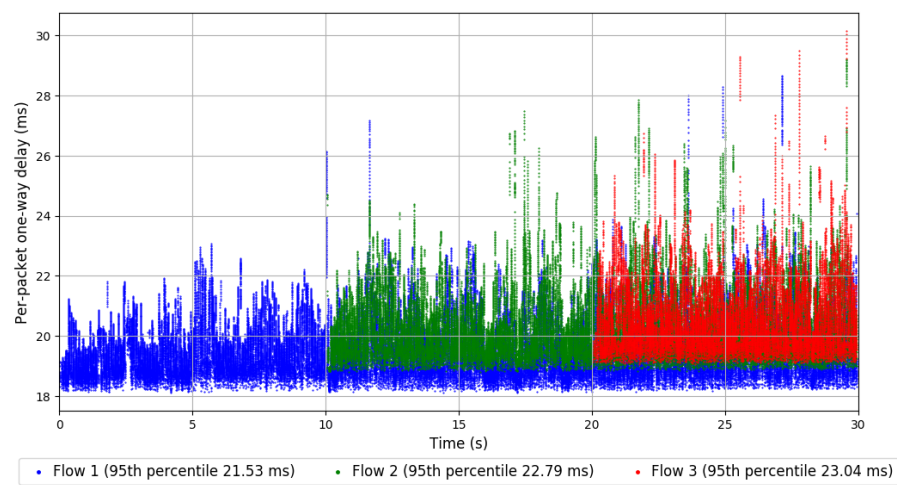
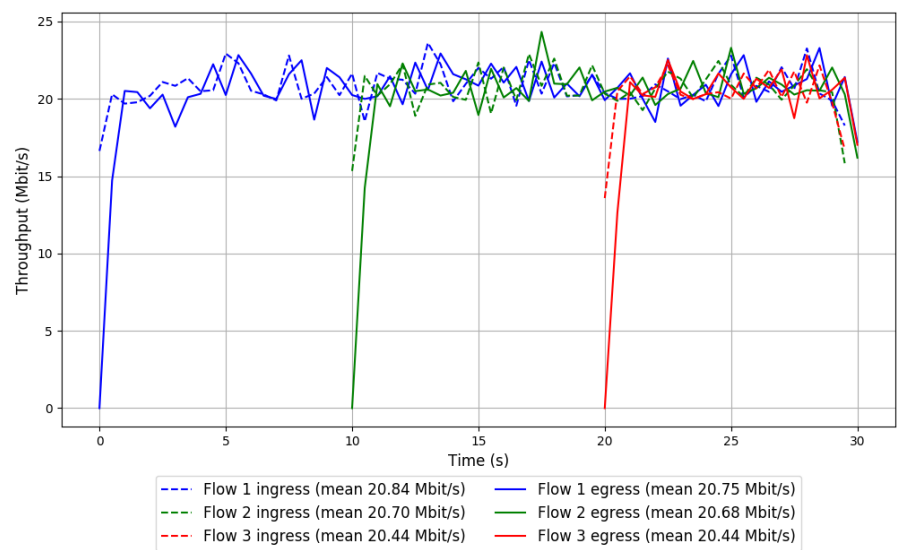


Run 6: Statistics of Sprout

Start at: 2018-08-01 10:01:18
End at: 2018-08-01 10:01:48
Local clock offset: -1.172 ms
Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 22.348 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 21.532 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 22.793 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 23.043 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

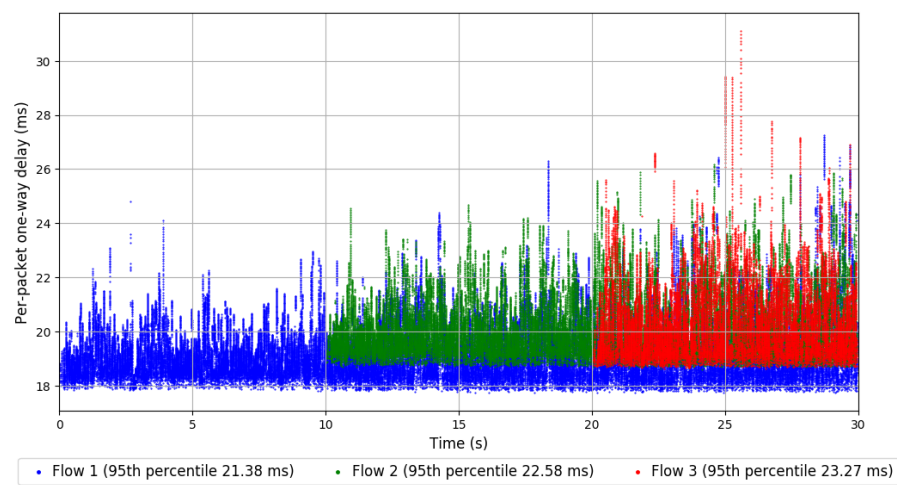
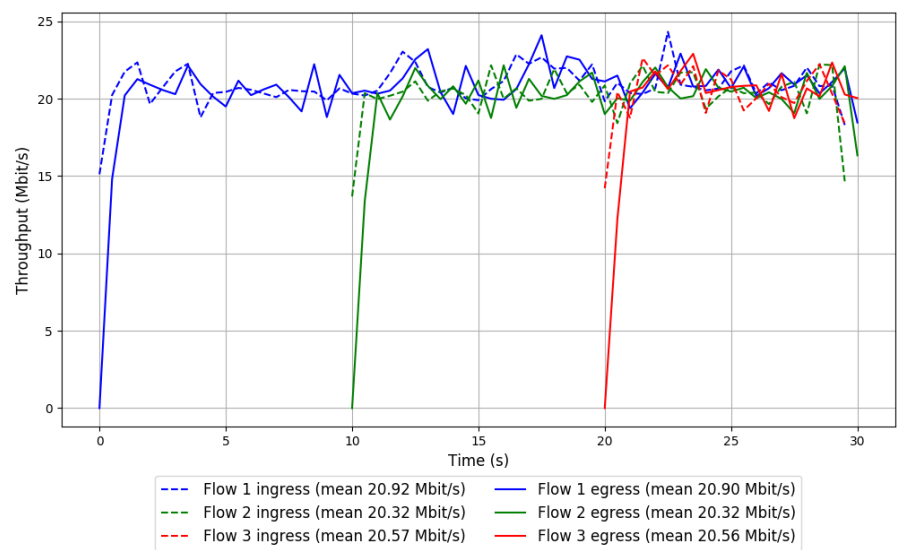


Run 7: Statistics of Sprout

Start at: 2018-08-01 10:28:44
End at: 2018-08-01 10:29:14
Local clock offset: -1.297 ms
Remote clock offset: 0.146 ms

```
# Below is generated by plot.py at 2018-08-01 14:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 22.338 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 21.381 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 22.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 23.267 ms
Loss rate: 0.03%
```


Run 7: Report of Sprout — Data Link

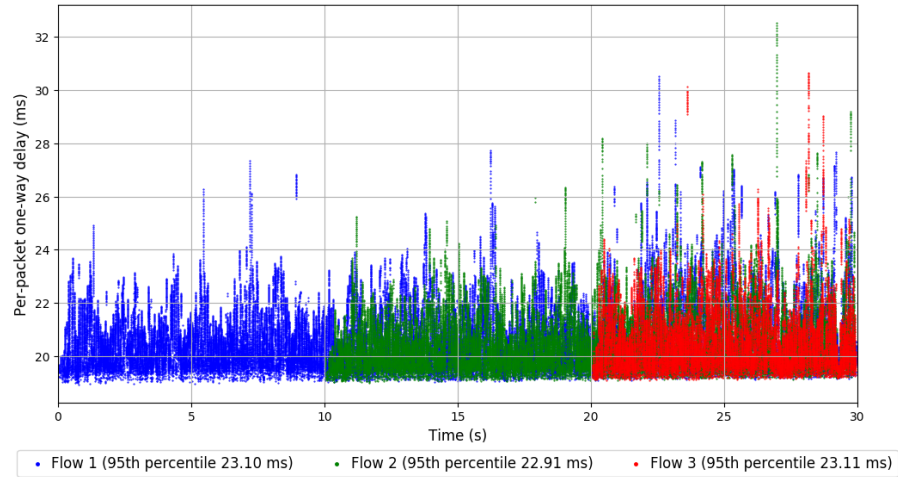
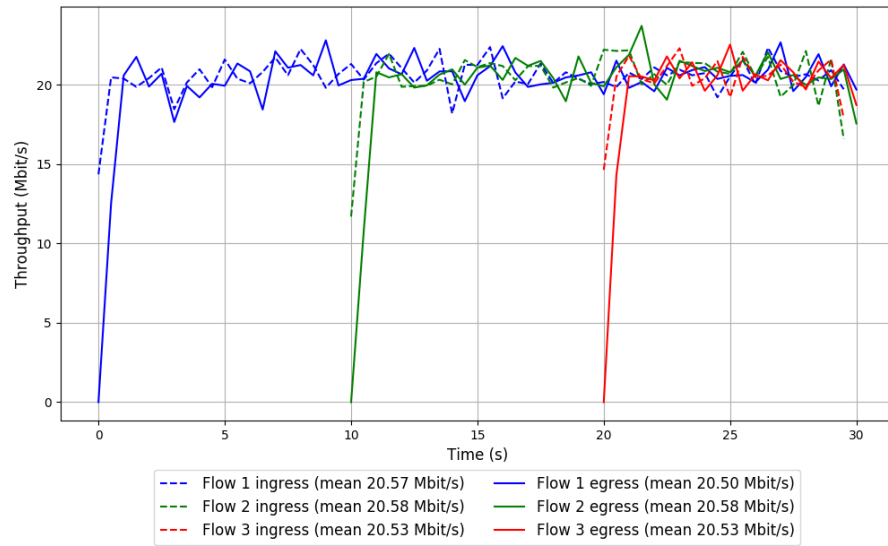


Run 8: Statistics of Sprout

Start at: 2018-08-01 10:56:06
End at: 2018-08-01 10:56:36
Local clock offset: -2.447 ms
Remote clock offset: -2.781 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 23.040 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 23.096 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 22.910 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 23.113 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-01 11:23:32

End at: 2018-08-01 11:24:02

Local clock offset: 0.584 ms

Remote clock offset: -5.26 ms

Below is generated by plot.py at 2018-08-01 14:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 22.682 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 20.33 Mbit/s

95th percentile per-packet one-way delay: 22.584 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 20.45 Mbit/s

95th percentile per-packet one-way delay: 23.098 ms

Loss rate: 0.01%

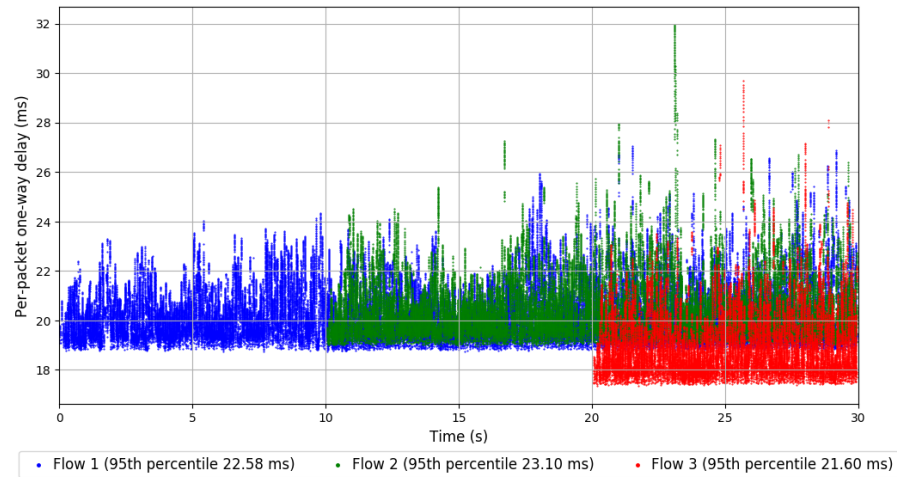
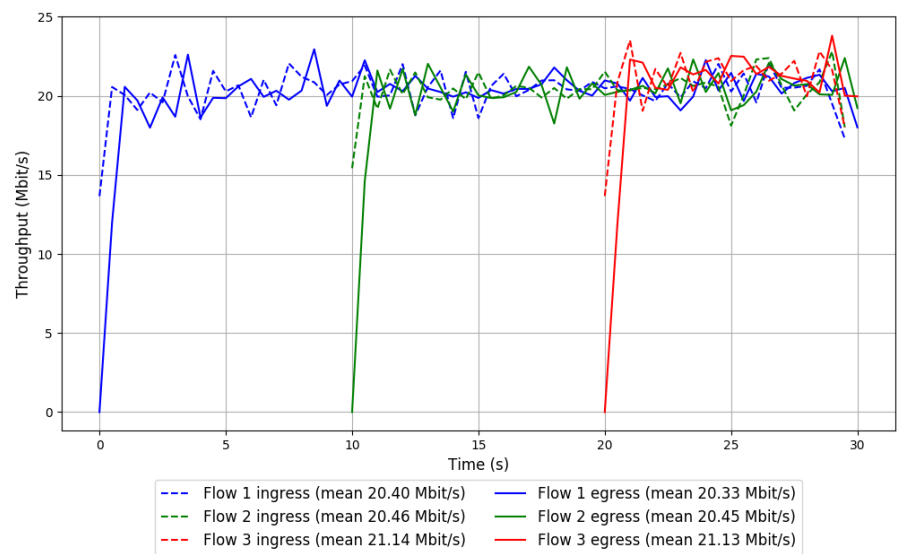
-- Flow 3:

Average throughput: 21.13 Mbit/s

95th percentile per-packet one-way delay: 21.597 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

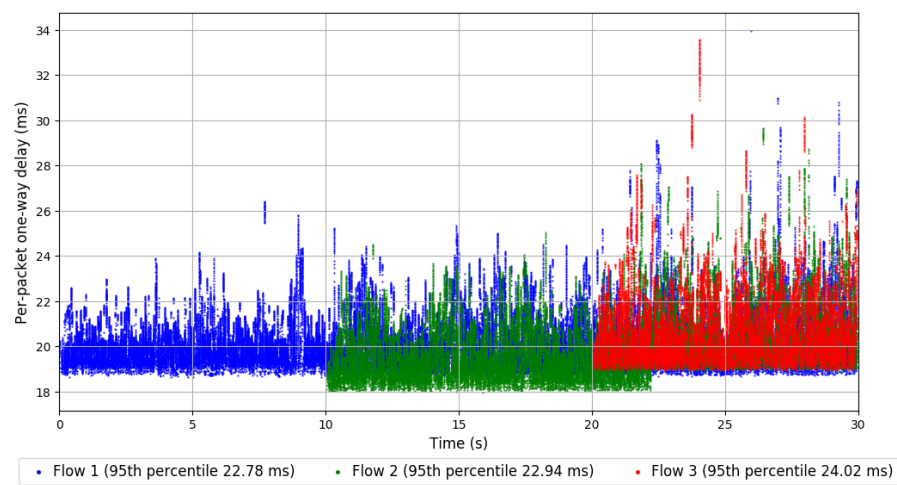
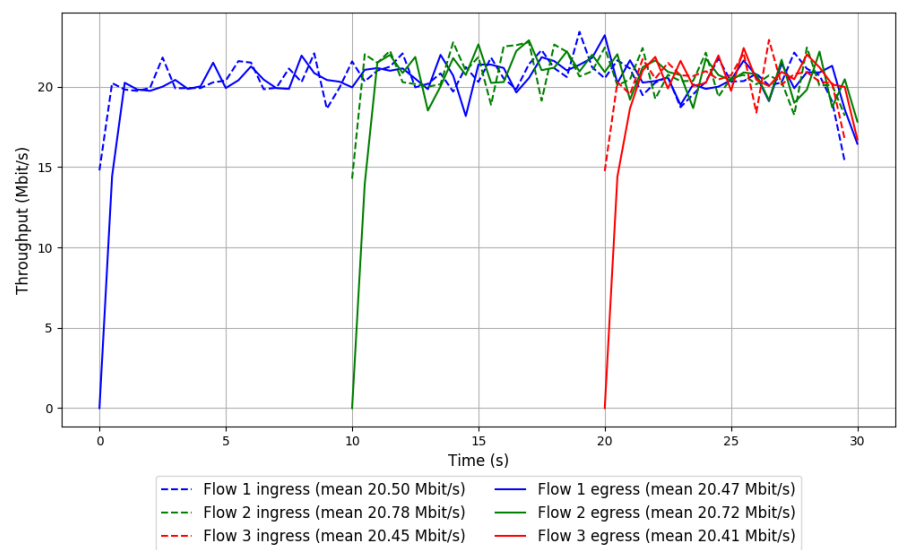


Run 10: Statistics of Sprout

Start at: 2018-08-01 11:50:57
End at: 2018-08-01 11:51:27
Local clock offset: 0.512 ms
Remote clock offset: -7.076 ms

Below is generated by plot.py at 2018-08-01 14:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 23.055 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 22.778 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 20.72 Mbit/s
95th percentile per-packet one-way delay: 22.936 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 24.020 ms
Loss rate: 0.14%

Run 10: Report of Sprout — Data Link

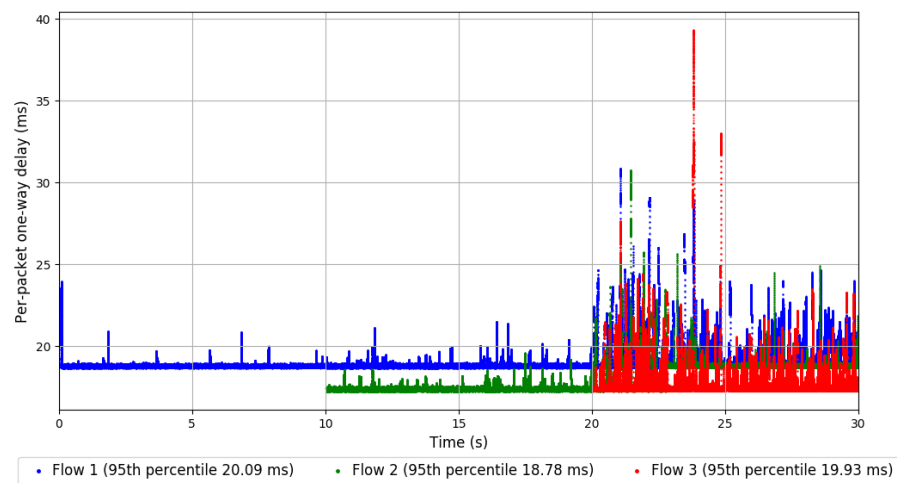
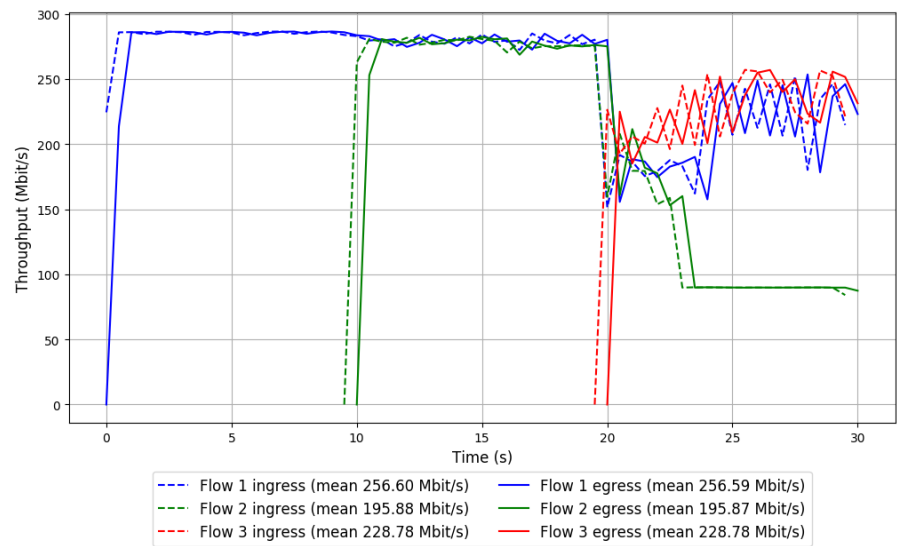


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 07:42:30
End at: 2018-08-01 07:43:00
Local clock offset: 5.017 ms
Remote clock offset: -2.378 ms

# Below is generated by plot.py at 2018-08-01 14:24:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 463.32 Mbit/s
95th percentile per-packet one-way delay: 19.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.59 Mbit/s
95th percentile per-packet one-way delay: 20.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.87 Mbit/s
95th percentile per-packet one-way delay: 18.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 228.78 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 08:09:56

End at: 2018-08-01 08:10:26

Local clock offset: -0.214 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-08-01 14:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.01 Mbit/s

95th percentile per-packet one-way delay: 20.715 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 248.56 Mbit/s

95th percentile per-packet one-way delay: 20.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 221.59 Mbit/s

95th percentile per-packet one-way delay: 20.943 ms

Loss rate: 0.00%

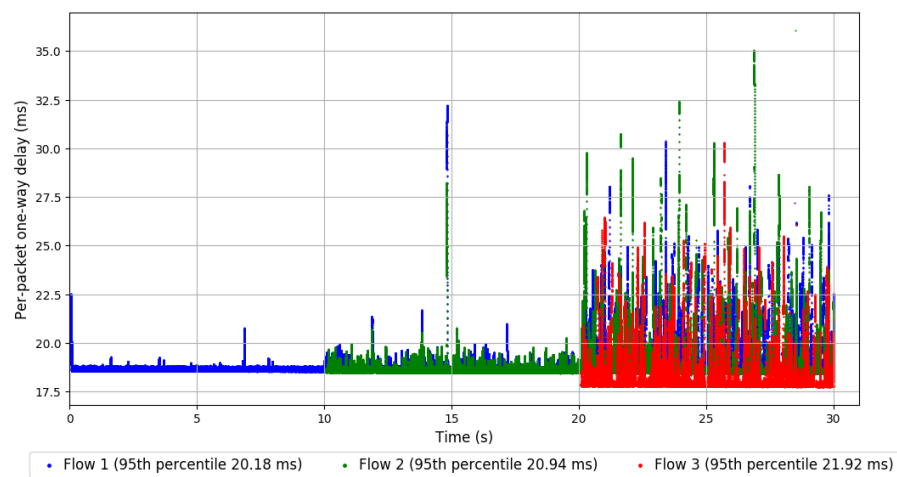
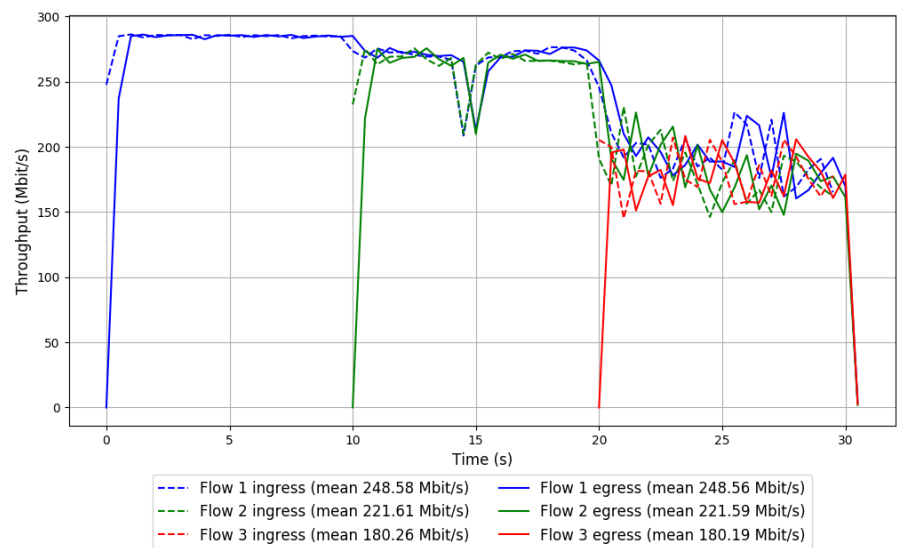
-- Flow 3:

Average throughput: 180.19 Mbit/s

95th percentile per-packet one-way delay: 21.918 ms

Loss rate: 0.03%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 08:37:19

End at: 2018-08-01 08:37:49

Local clock offset: -0.726 ms

Remote clock offset: 0.689 ms

Below is generated by plot.py at 2018-08-01 14:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 455.80 Mbit/s

95th percentile per-packet one-way delay: 20.547 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 244.45 Mbit/s

95th percentile per-packet one-way delay: 19.629 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 225.57 Mbit/s

95th percentile per-packet one-way delay: 21.253 ms

Loss rate: 0.01%

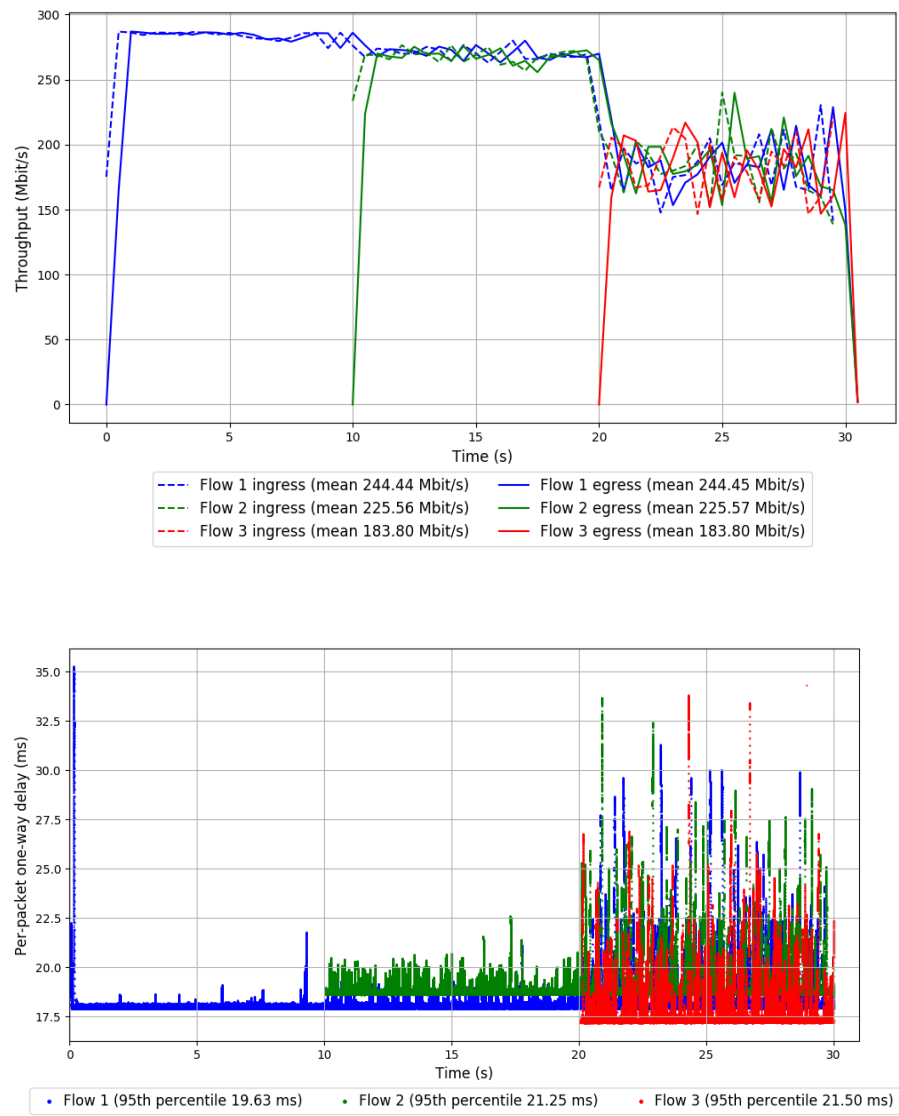
-- Flow 3:

Average throughput: 183.80 Mbit/s

95th percentile per-packet one-way delay: 21.501 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 09:04:49

End at: 2018-08-01 09:05:19

Local clock offset: -0.355 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-08-01 14:24:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.22 Mbit/s

95th percentile per-packet one-way delay: 21.382 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 244.18 Mbit/s

95th percentile per-packet one-way delay: 20.745 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 227.95 Mbit/s

95th percentile per-packet one-way delay: 21.371 ms

Loss rate: 0.00%

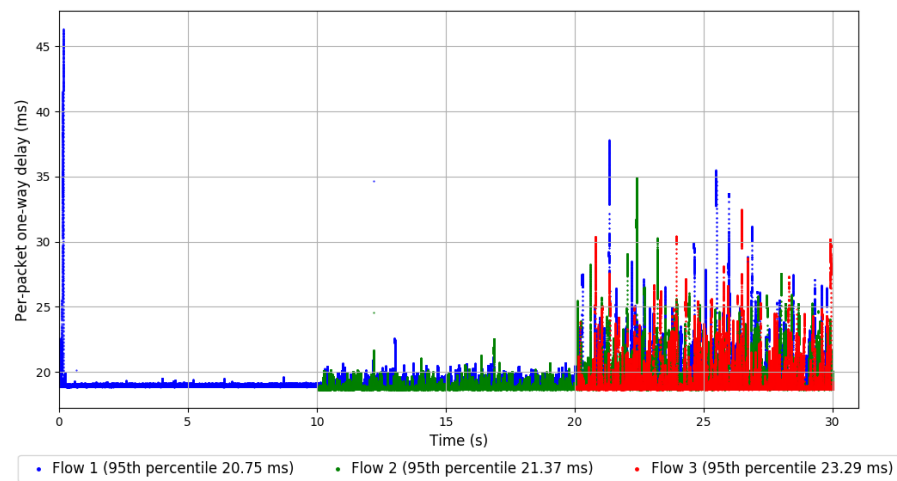
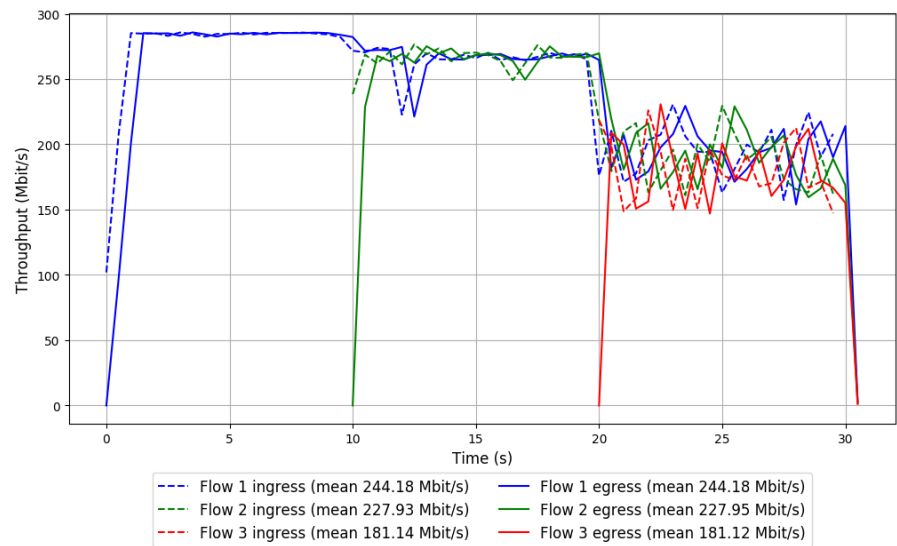
-- Flow 3:

Average throughput: 181.12 Mbit/s

95th percentile per-packet one-way delay: 23.286 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 09:32:22

End at: 2018-08-01 09:32:52

Local clock offset: -2.453 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-08-01 14:25:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.89 Mbit/s

95th percentile per-packet one-way delay: 20.526 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 244.39 Mbit/s

95th percentile per-packet one-way delay: 20.249 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 223.53 Mbit/s

95th percentile per-packet one-way delay: 19.619 ms

Loss rate: 0.00%

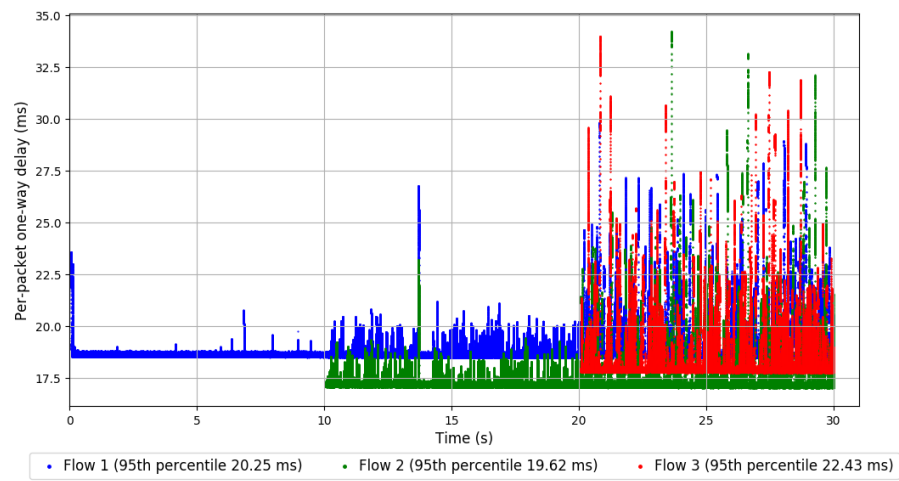
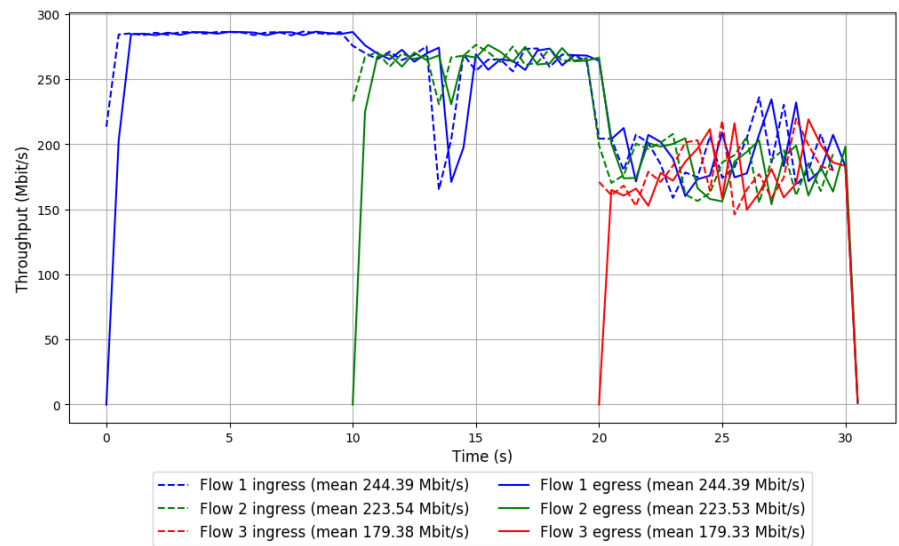
-- Flow 3:

Average throughput: 179.33 Mbit/s

95th percentile per-packet one-way delay: 22.432 ms

Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 09:59:33

End at: 2018-08-01 10:00:03

Local clock offset: -1.567 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-08-01 14:26:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 444.25 Mbit/s

95th percentile per-packet one-way delay: 20.982 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 238.75 Mbit/s

95th percentile per-packet one-way delay: 20.476 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 218.67 Mbit/s

95th percentile per-packet one-way delay: 20.159 ms

Loss rate: 0.00%

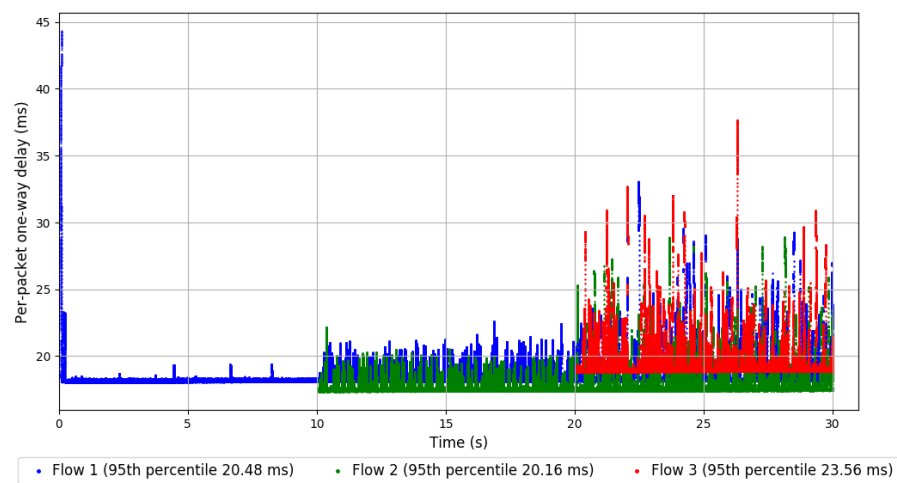
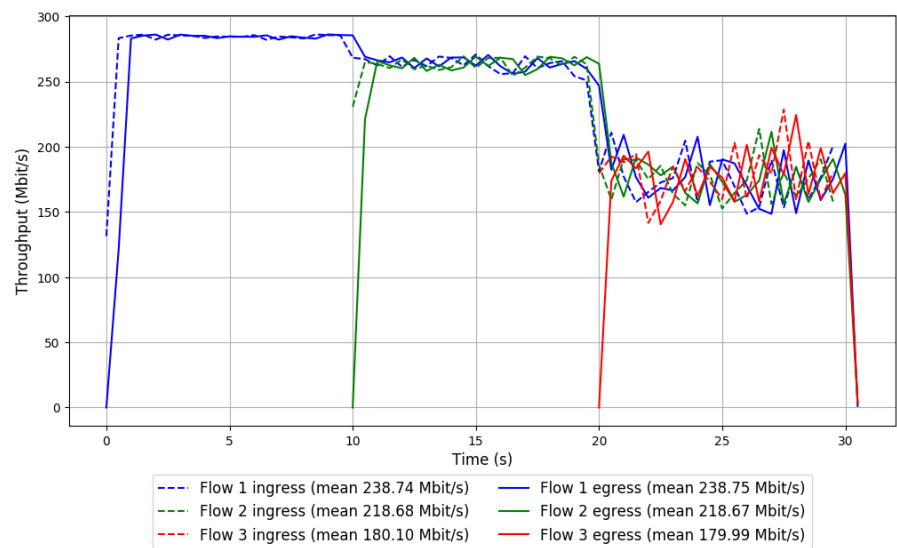
-- Flow 3:

Average throughput: 179.99 Mbit/s

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

Loss rate: 0.07%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 10:26:58

End at: 2018-08-01 10:27:28

Local clock offset: -0.844 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-08-01 14:27:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 446.32 Mbit/s

95th percentile per-packet one-way delay: 21.134 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 239.40 Mbit/s

95th percentile per-packet one-way delay: 20.320 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 221.07 Mbit/s

95th percentile per-packet one-way delay: 21.250 ms

Loss rate: 0.02%

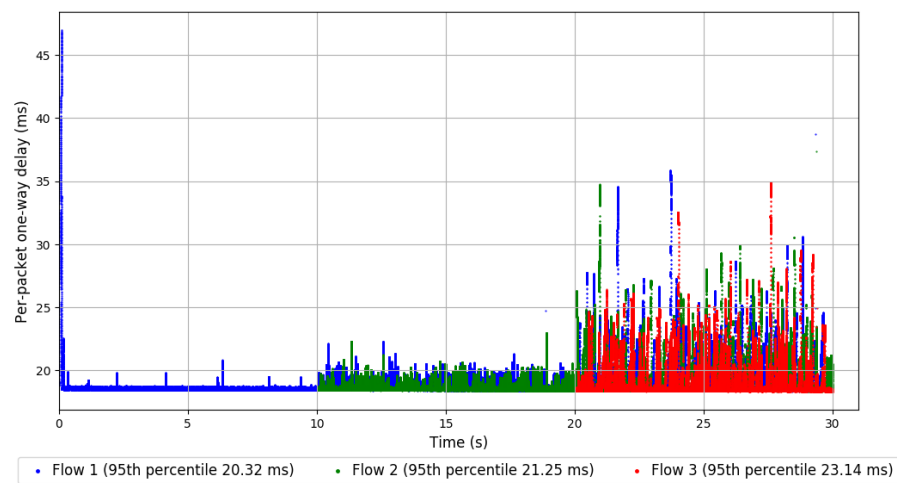
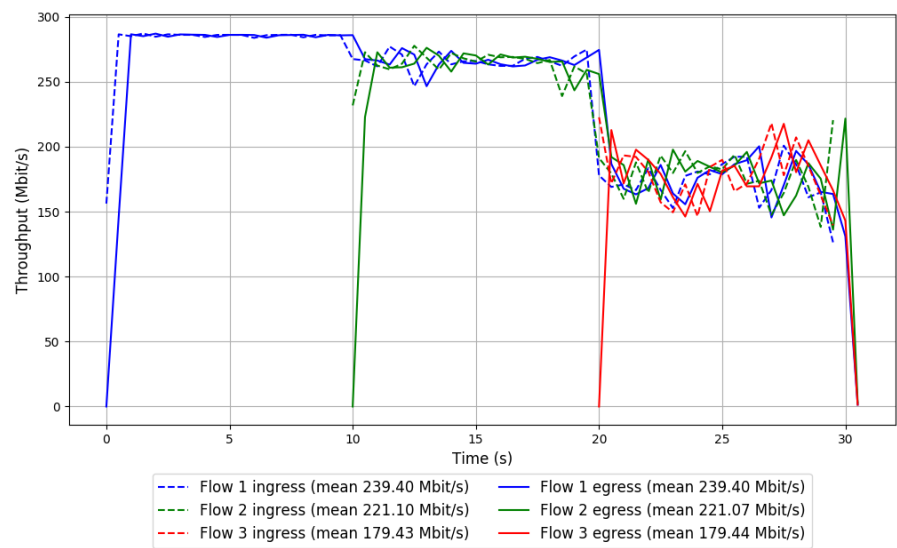
-- Flow 3:

Average throughput: 179.44 Mbit/s

95th percentile per-packet one-way delay: 23.143 ms

Loss rate: 0.01%

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

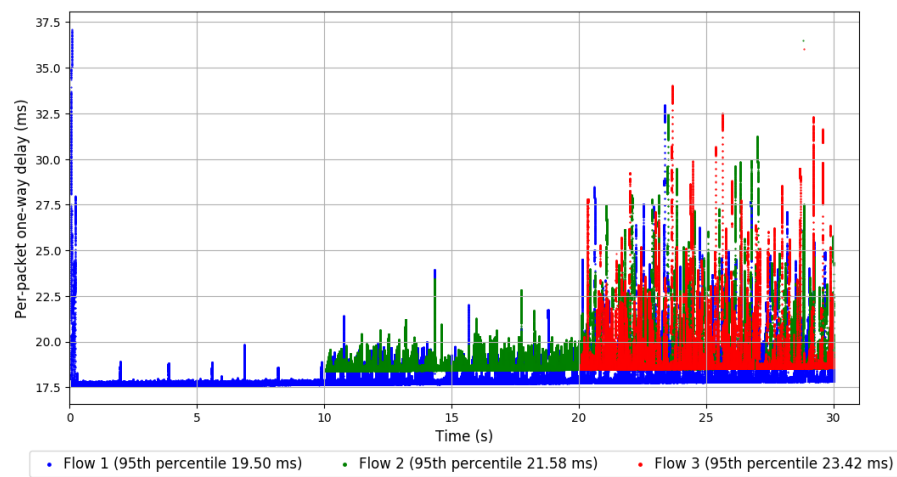
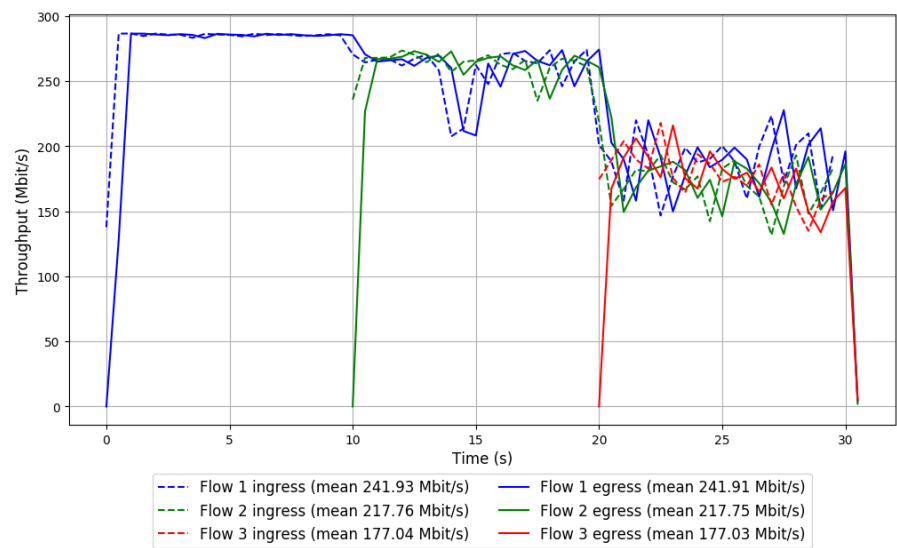


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 10:54:21
End at: 2018-08-01 10:54:51
Local clock offset: -3.155 ms
Remote clock offset: -2.536 ms

Below is generated by plot.py at 2018-08-01 14:28:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.81 Mbit/s
95th percentile per-packet one-way delay: 21.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.91 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 217.75 Mbit/s
95th percentile per-packet one-way delay: 21.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.03 Mbit/s
95th percentile per-packet one-way delay: 23.422 ms
Loss rate: 0.00%

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

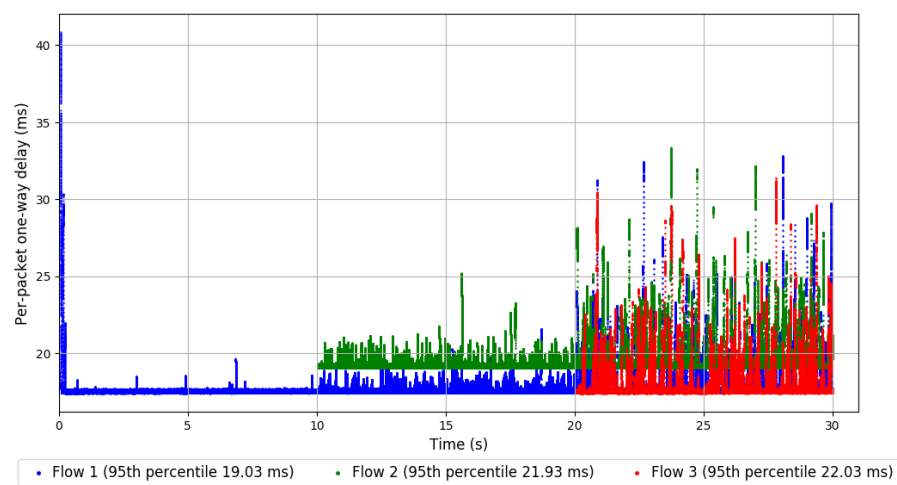
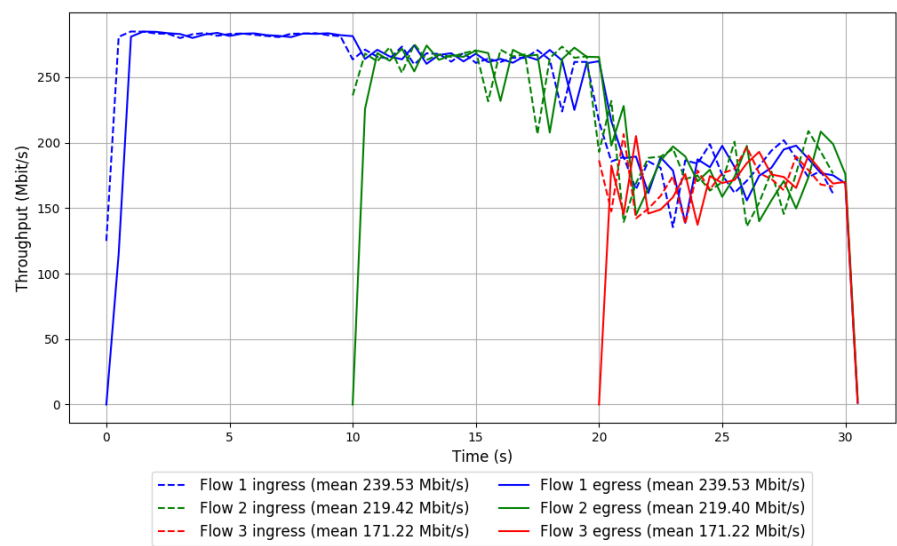


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 11:21:47
End at: 2018-08-01 11:22:17
Local clock offset: 0.578 ms
Remote clock offset: -5.108 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.60 Mbit/s
95th percentile per-packet one-way delay: 20.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.53 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 219.40 Mbit/s
95th percentile per-packet one-way delay: 21.933 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 171.22 Mbit/s
95th percentile per-packet one-way delay: 22.031 ms
Loss rate: 0.00%

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

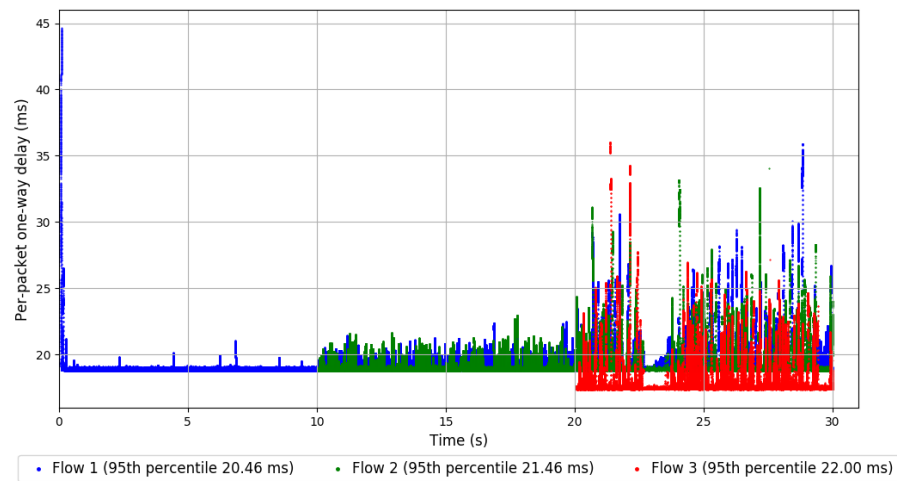
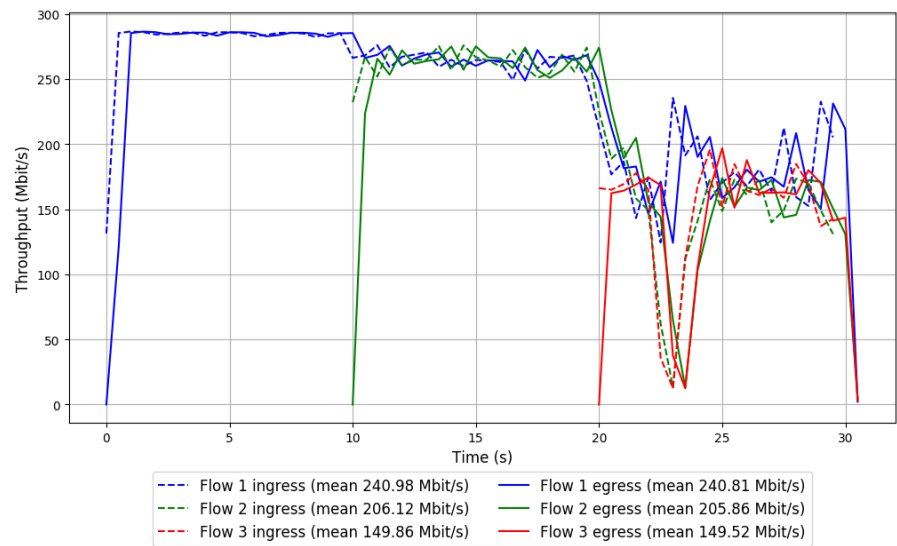


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 11:49:13
End at: 2018-08-01 11:49:43
Local clock offset: 0.382 ms
Remote clock offset: -6.967 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.64 Mbit/s
95th percentile per-packet one-way delay: 21.003 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 240.81 Mbit/s
95th percentile per-packet one-way delay: 20.458 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 205.86 Mbit/s
95th percentile per-packet one-way delay: 21.465 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 149.52 Mbit/s
95th percentile per-packet one-way delay: 21.996 ms
Loss rate: 0.21%

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

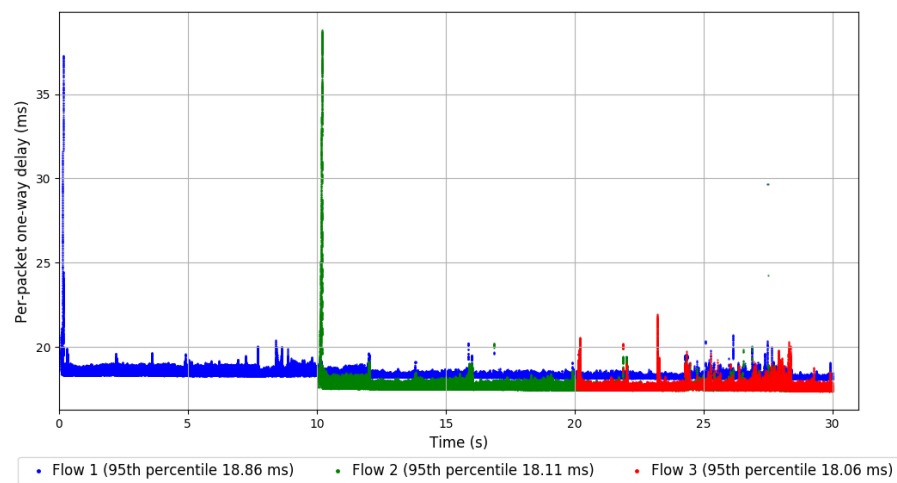
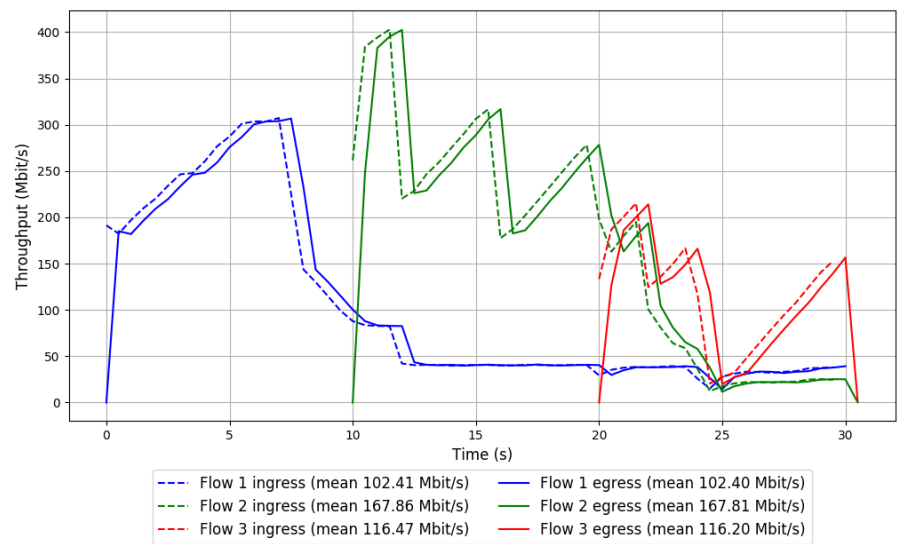


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 07:59:24
End at: 2018-08-01 07:59:54
Local clock offset: 2.158 ms
Remote clock offset: -0.927 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.81 Mbit/s
95th percentile per-packet one-way delay: 18.786 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 102.40 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 167.81 Mbit/s
95th percentile per-packet one-way delay: 18.108 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 116.20 Mbit/s
95th percentile per-packet one-way delay: 18.059 ms
Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 08:26:48

End at: 2018-08-01 08:27:18

Local clock offset: -1.078 ms

Remote clock offset: 1.617 ms

Below is generated by plot.py at 2018-08-01 14:33:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.82 Mbit/s

95th percentile per-packet one-way delay: 19.210 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 112.10 Mbit/s

95th percentile per-packet one-way delay: 18.607 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 19.732 ms

Loss rate: 0.88%

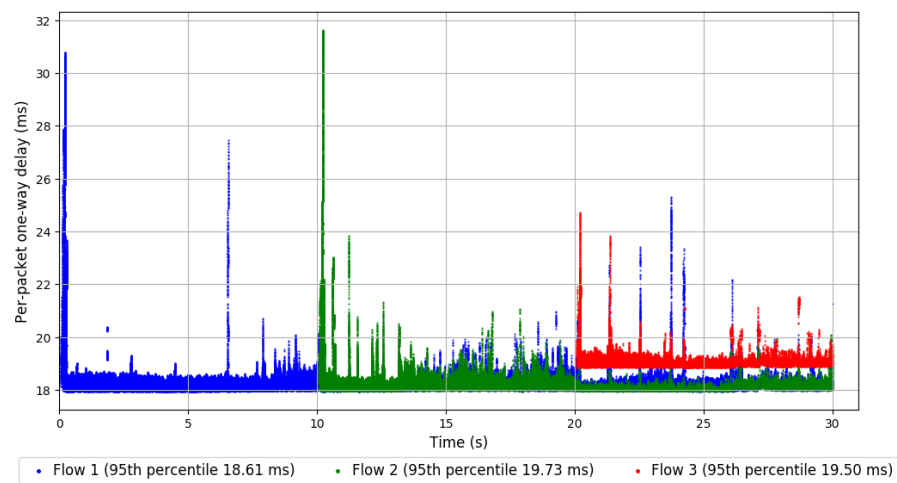
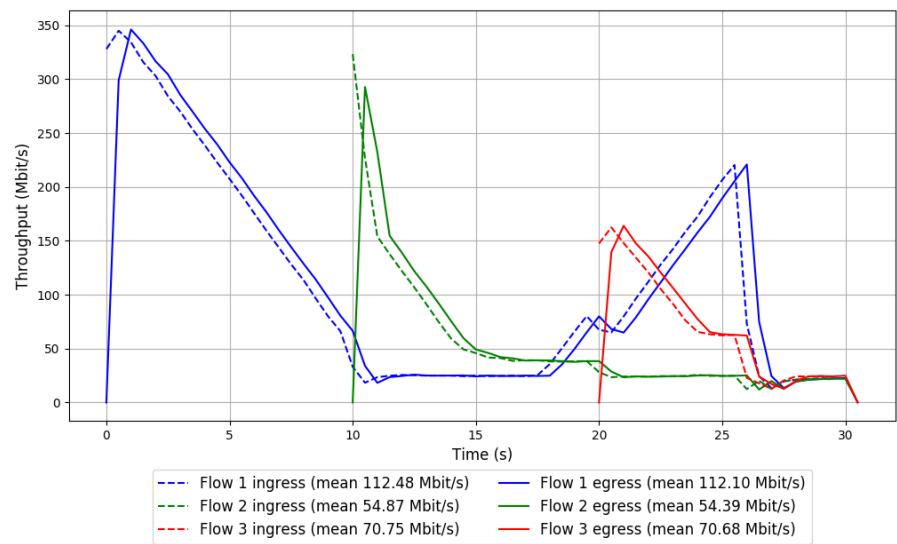
-- Flow 3:

Average throughput: 70.68 Mbit/s

95th percentile per-packet one-way delay: 19.498 ms

Loss rate: 0.16%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 08:54:15

End at: 2018-08-01 08:54:45

Local clock offset: -0.944 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2018-08-01 14:33:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 202.19 Mbit/s

95th percentile per-packet one-way delay: 19.204 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 146.49 Mbit/s

95th percentile per-packet one-way delay: 18.015 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 19.371 ms

Loss rate: 0.19%

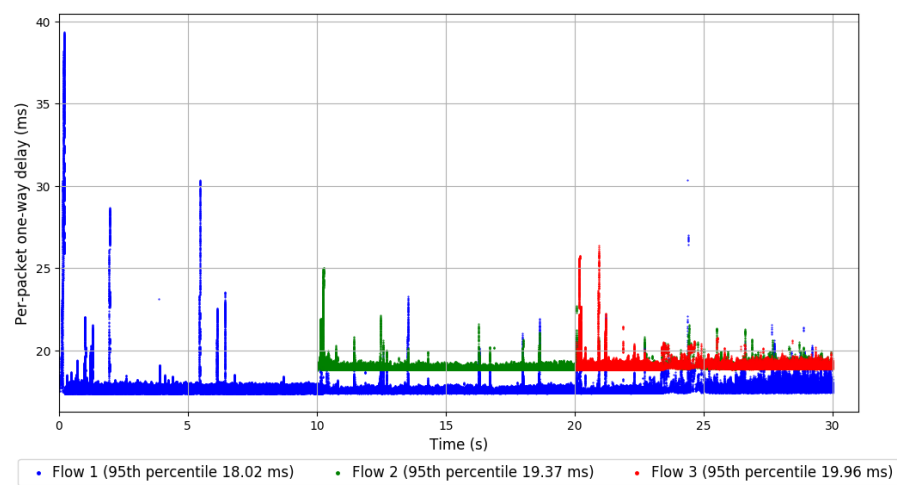
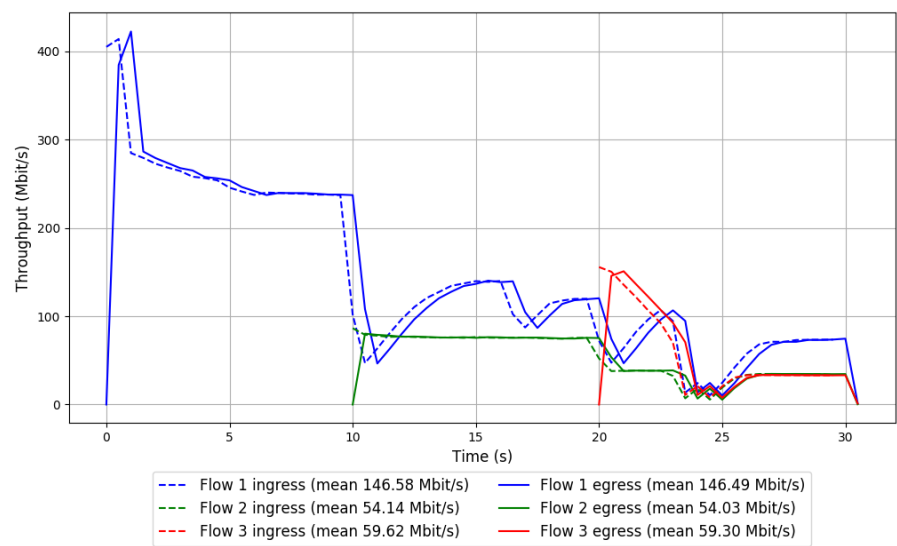
-- Flow 3:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 19.957 ms

Loss rate: 0.53%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 09:21:50

End at: 2018-08-01 09:22:20

Local clock offset: -0.442 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-08-01 14:33:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.05 Mbit/s

95th percentile per-packet one-way delay: 19.509 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 228.59 Mbit/s

95th percentile per-packet one-way delay: 19.548 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 100.23 Mbit/s

95th percentile per-packet one-way delay: 17.714 ms

Loss rate: 0.13%

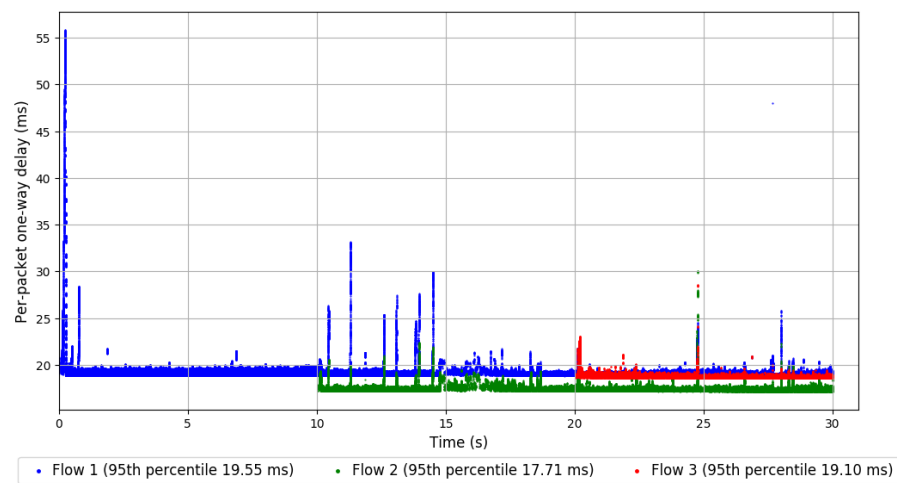
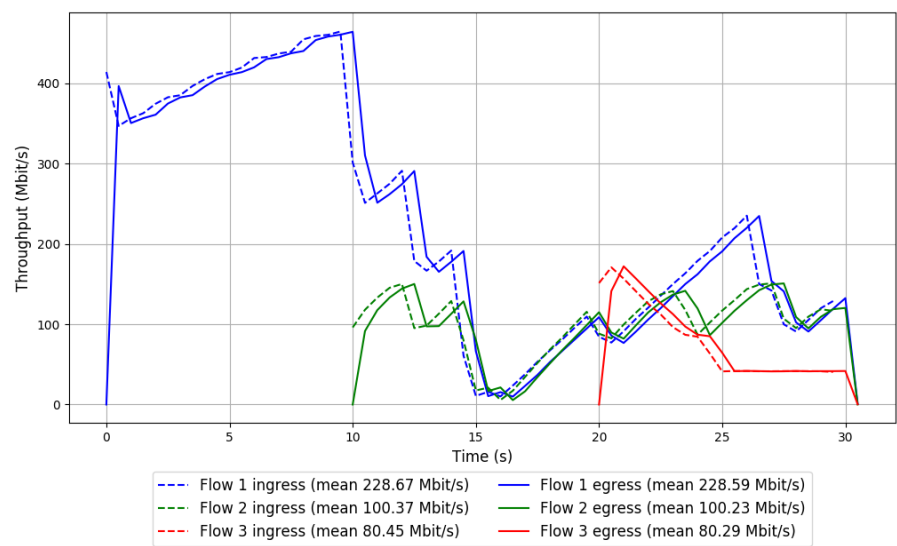
-- Flow 3:

Average throughput: 80.29 Mbit/s

95th percentile per-packet one-way delay: 19.102 ms

Loss rate: 0.20%

Run 4: Report of TCP Vegas — Data Link

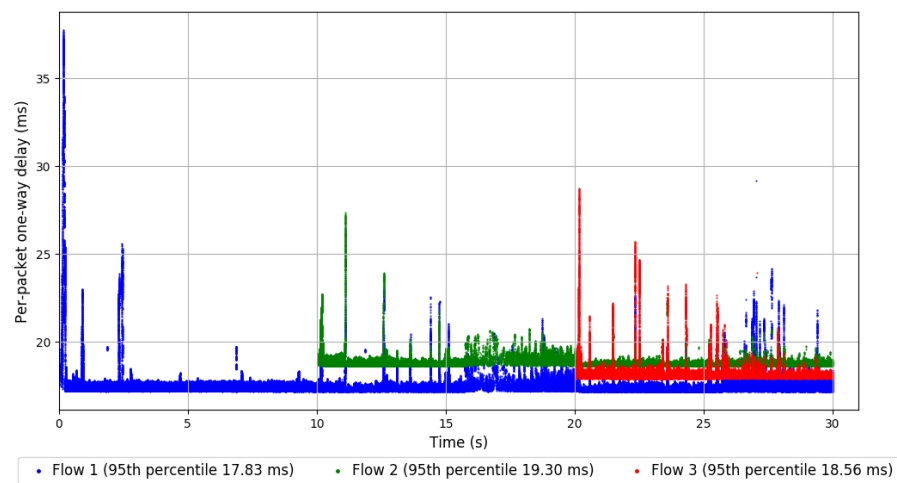
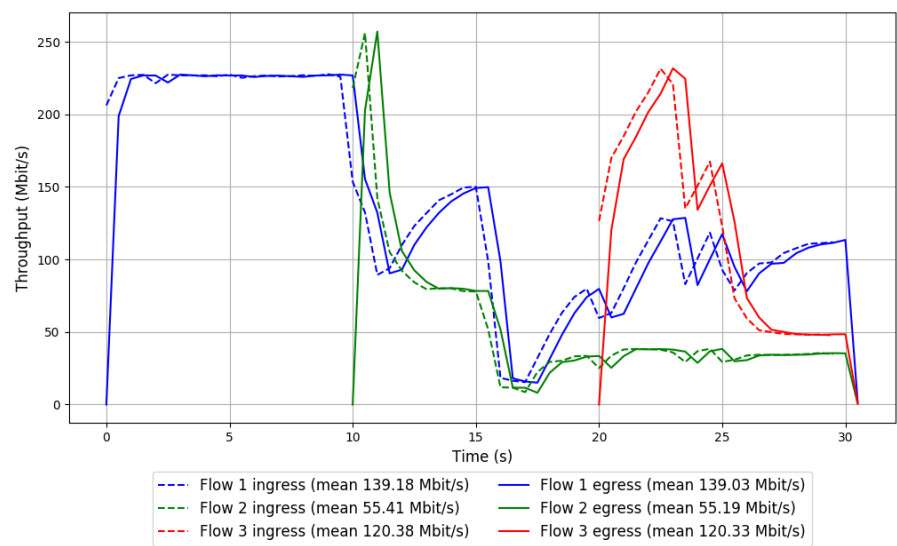


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 09:49:10
End at: 2018-08-01 09:49:40
Local clock offset: -4.078 ms
Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.83 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 139.03 Mbit/s
95th percentile per-packet one-way delay: 17.834 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 120.33 Mbit/s
95th percentile per-packet one-way delay: 18.557 ms
Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 10:16:30

End at: 2018-08-01 10:17:00

Local clock offset: 0.414 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-08-01 14:33:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.69 Mbit/s

95th percentile per-packet one-way delay: 19.328 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 127.40 Mbit/s

95th percentile per-packet one-way delay: 18.434 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 105.85 Mbit/s

95th percentile per-packet one-way delay: 19.590 ms

Loss rate: 0.32%

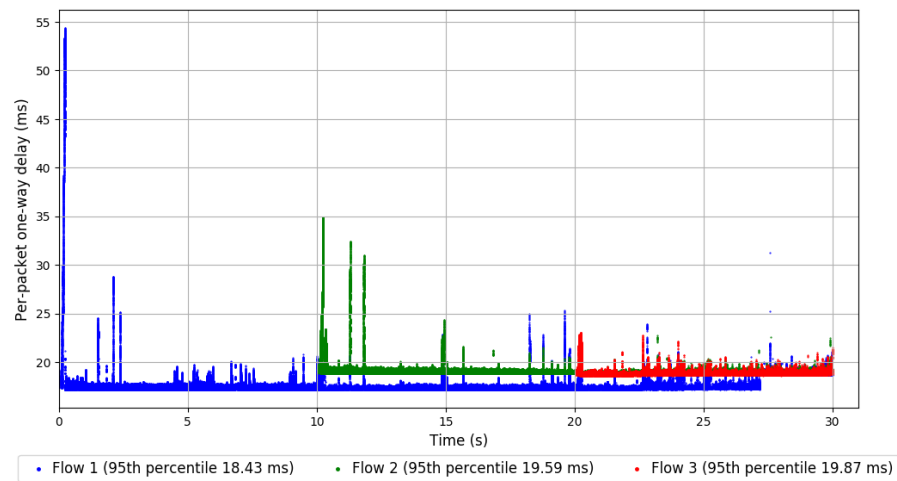
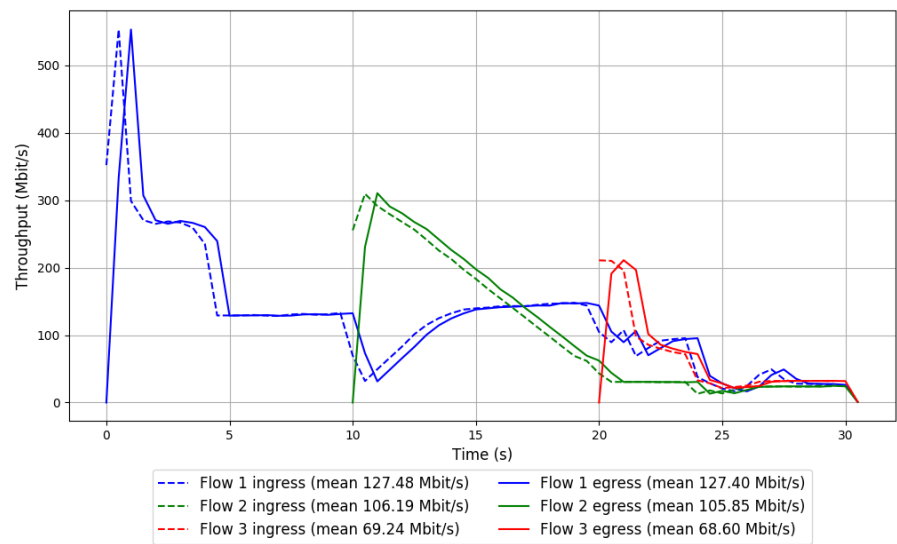
-- Flow 3:

Average throughput: 68.60 Mbit/s

95th percentile per-packet one-way delay: 19.871 ms

Loss rate: 0.92%

Run 6: Report of TCP Vegas — Data Link

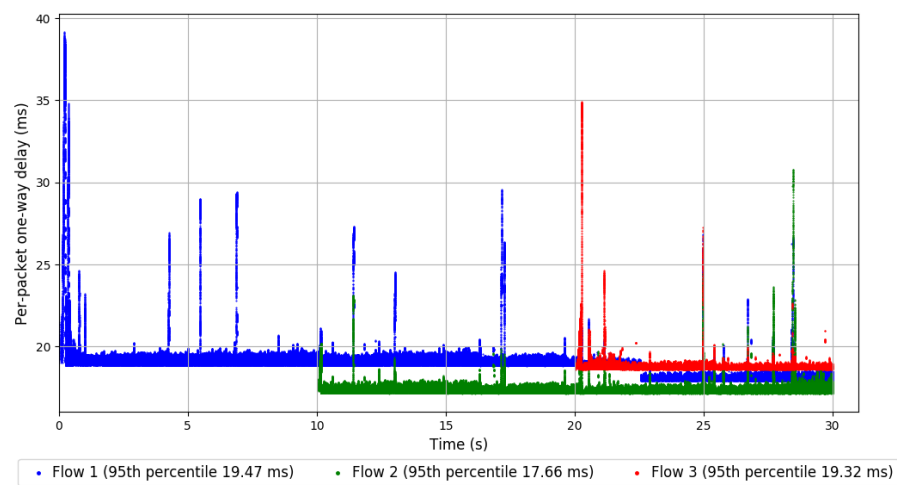
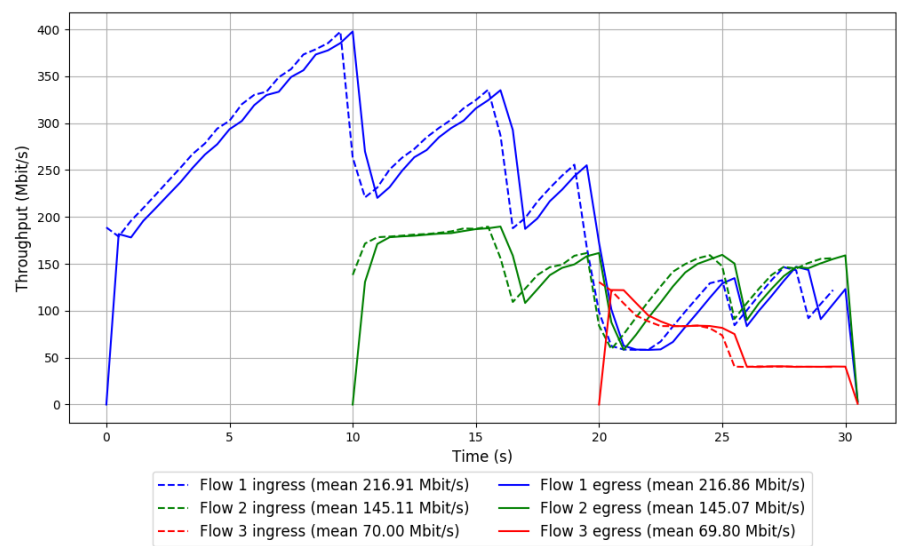


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 10:43:44
End at: 2018-08-01 10:44:14
Local clock offset: -3.247 ms
Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.73 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.86 Mbit/s
95th percentile per-packet one-way delay: 19.470 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 145.07 Mbit/s
95th percentile per-packet one-way delay: 17.656 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 19.323 ms
Loss rate: 0.29%

Run 7: Report of TCP Vegas — Data Link

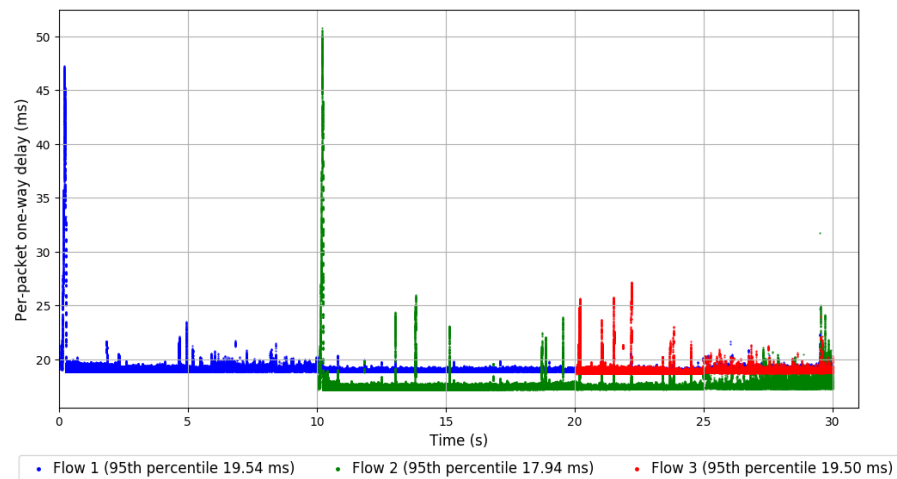
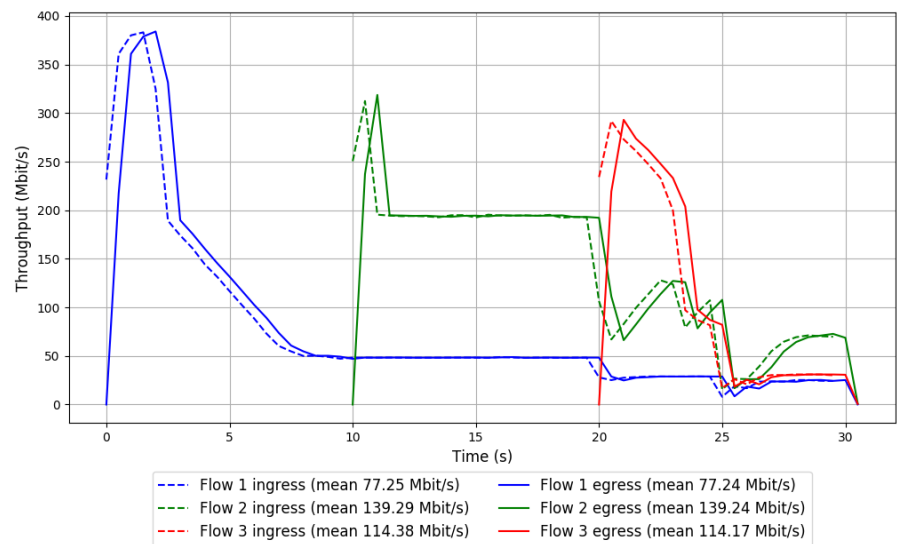


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 11:11:15
End at: 2018-08-01 11:11:45
Local clock offset: 0.142 ms
Remote clock offset: -4.448 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.96 Mbit/s
95th percentile per-packet one-way delay: 19.444 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 139.24 Mbit/s
95th percentile per-packet one-way delay: 17.943 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 114.17 Mbit/s
95th percentile per-packet one-way delay: 19.504 ms
Loss rate: 0.18%

Run 8: Report of TCP Vegas — Data Link

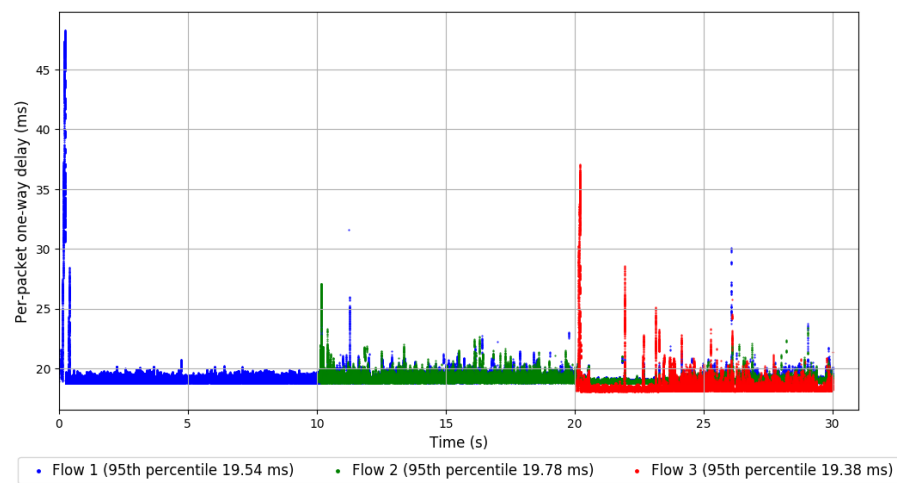
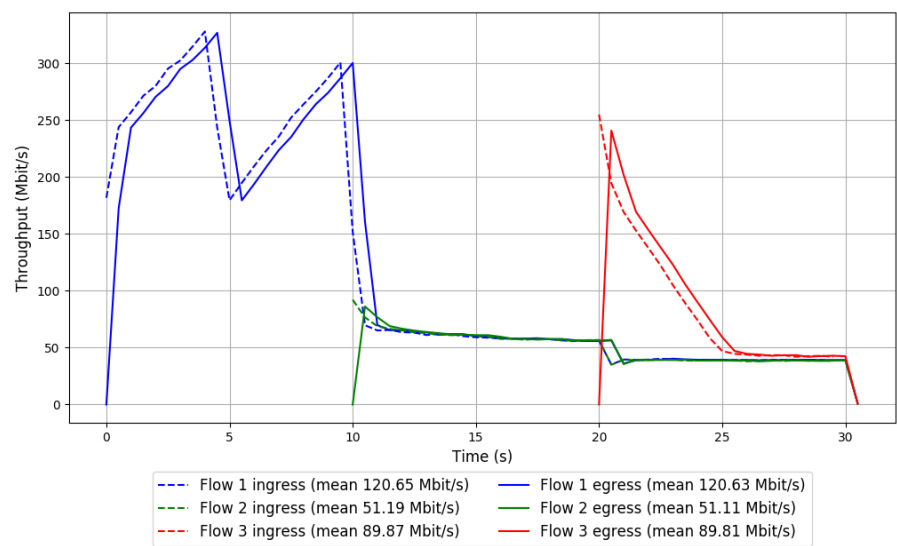


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 11:38:42
End at: 2018-08-01 11:39:12
Local clock offset: 0.327 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.54 Mbit/s
95th percentile per-packet one-way delay: 19.585 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 120.63 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 51.11 Mbit/s
95th percentile per-packet one-way delay: 19.780 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.04%

Run 9: Report of TCP Vegas — Data Link

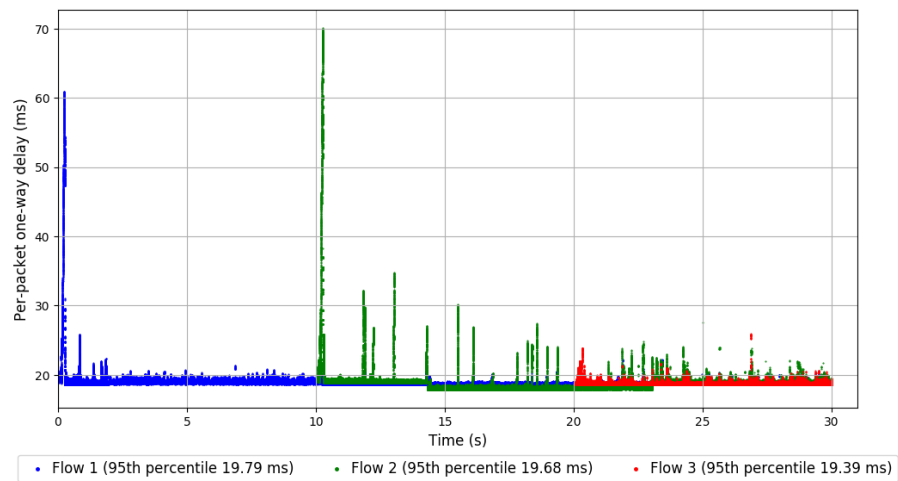
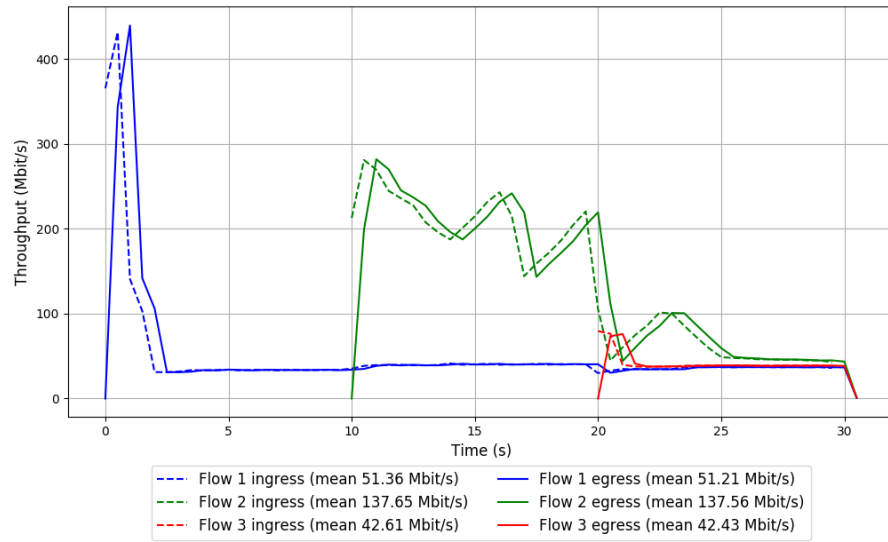


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 12:06:02
End at: 2018-08-01 12:06:32
Local clock offset: 3.038 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2018-08-01 14:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.96 Mbit/s
95th percentile per-packet one-way delay: 19.696 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 51.21 Mbit/s
95th percentile per-packet one-way delay: 19.790 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 137.56 Mbit/s
95th percentile per-packet one-way delay: 19.685 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.42%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 08:05:10

End at: 2018-08-01 08:05:40

Local clock offset: 0.603 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-08-01 14:34:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.22 Mbit/s

95th percentile per-packet one-way delay: 30.952 ms

Loss rate: 19.01%

-- Flow 1:

Average throughput: 232.34 Mbit/s

95th percentile per-packet one-way delay: 32.307 ms

Loss rate: 20.27%

-- Flow 2:

Average throughput: 163.27 Mbit/s

95th percentile per-packet one-way delay: 24.551 ms

Loss rate: 13.96%

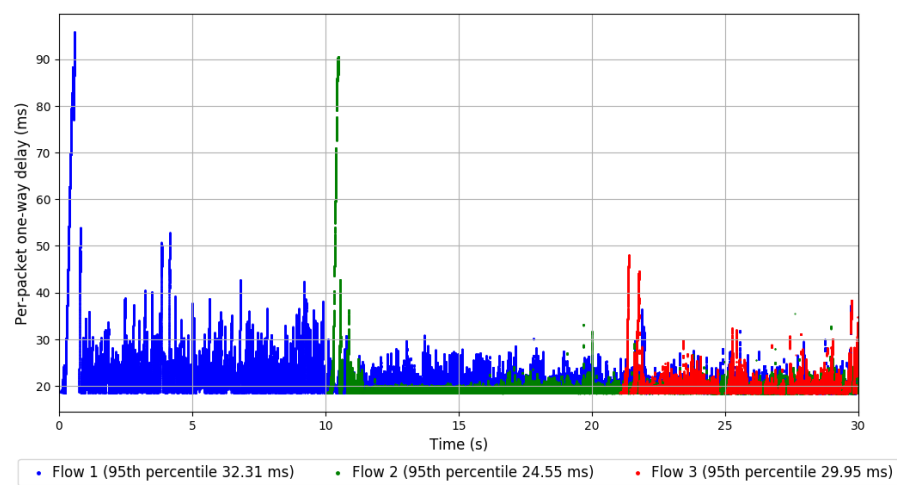
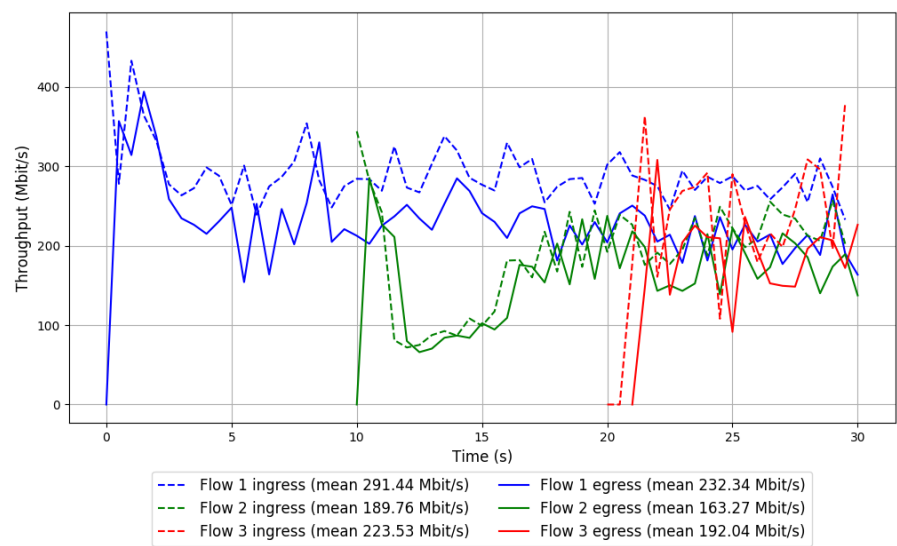
-- Flow 3:

Average throughput: 192.04 Mbit/s

95th percentile per-packet one-way delay: 29.954 ms

Loss rate: 22.63%

Run 1: Report of Verus — Data Link

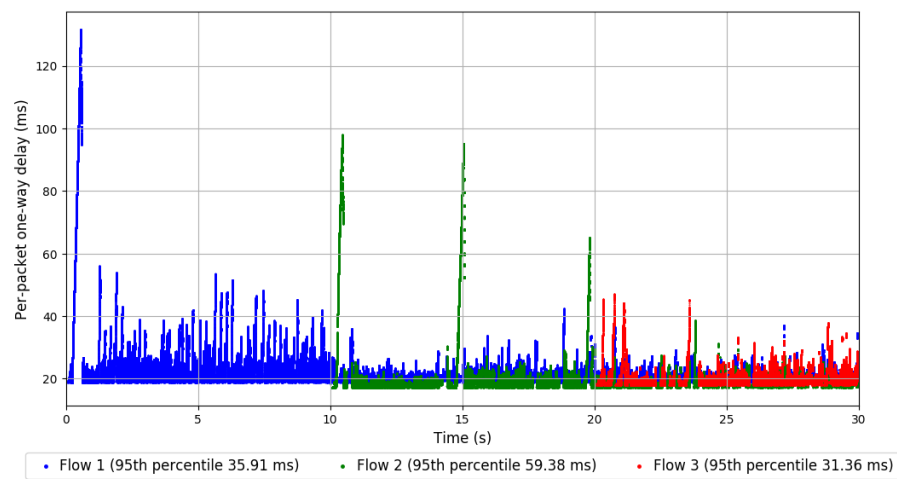
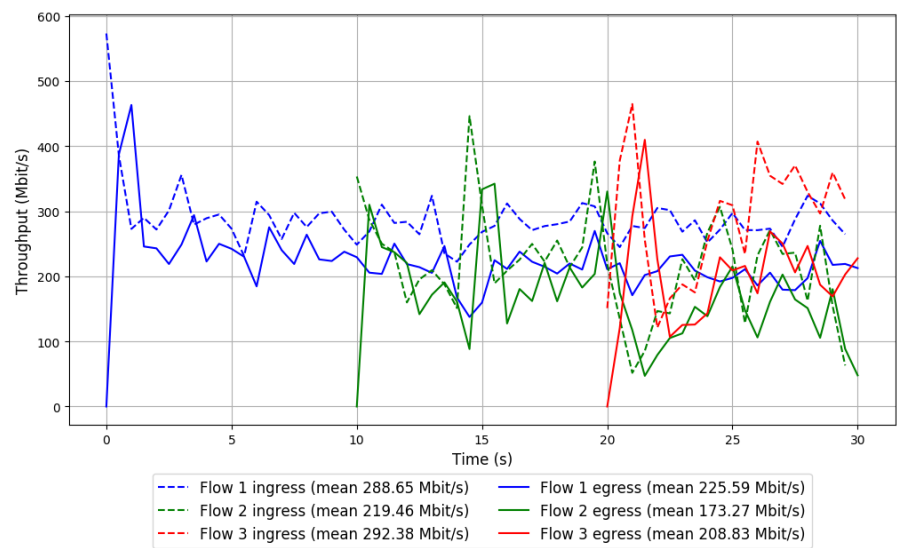


Run 2: Statistics of Verus

Start at: 2018-08-01 08:32:31
End at: 2018-08-01 08:33:01
Local clock offset: -0.777 ms
Remote clock offset: 1.049 ms

Below is generated by plot.py at 2018-08-01 14:35:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.88 Mbit/s
95th percentile per-packet one-way delay: 38.069 ms
Loss rate: 22.83%
-- Flow 1:
Average throughput: 225.59 Mbit/s
95th percentile per-packet one-way delay: 35.911 ms
Loss rate: 21.81%
-- Flow 2:
Average throughput: 173.27 Mbit/s
95th percentile per-packet one-way delay: 59.382 ms
Loss rate: 21.04%
-- Flow 3:
Average throughput: 208.83 Mbit/s
95th percentile per-packet one-way delay: 31.357 ms
Loss rate: 28.56%

Run 2: Report of Verus — Data Link

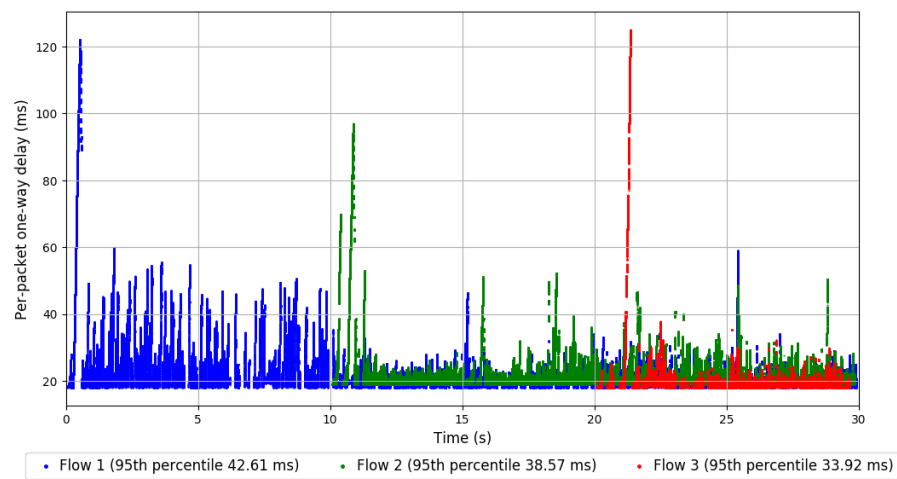
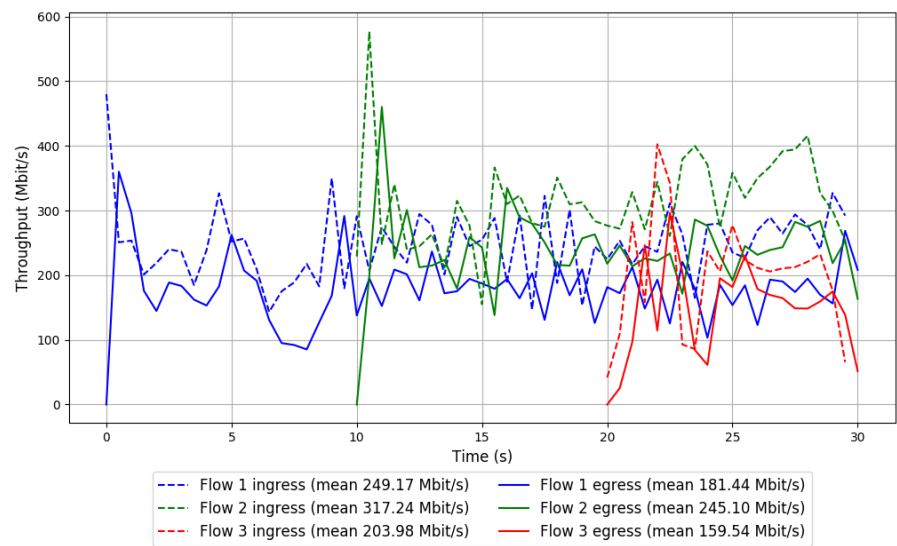


Run 3: Statistics of Verus

Start at: 2018-08-01 09:00:00
End at: 2018-08-01 09:00:30
Local clock offset: -0.564 ms
Remote clock offset: 0.438 ms

Below is generated by plot.py at 2018-08-01 14:35:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.14 Mbit/s
95th percentile per-packet one-way delay: 40.431 ms
Loss rate: 24.89%
-- Flow 1:
Average throughput: 181.44 Mbit/s
95th percentile per-packet one-way delay: 42.613 ms
Loss rate: 27.18%
-- Flow 2:
Average throughput: 245.10 Mbit/s
95th percentile per-packet one-way delay: 38.566 ms
Loss rate: 22.73%
-- Flow 3:
Average throughput: 159.54 Mbit/s
95th percentile per-packet one-way delay: 33.921 ms
Loss rate: 23.14%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-01 09:27:39

End at: 2018-08-01 09:28:09

Local clock offset: -1.673 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-08-01 14:35:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.86 Mbit/s

95th percentile per-packet one-way delay: 38.789 ms

Loss rate: 25.14%

-- Flow 1:

Average throughput: 203.56 Mbit/s

95th percentile per-packet one-way delay: 41.042 ms

Loss rate: 21.05%

-- Flow 2:

Average throughput: 198.01 Mbit/s

95th percentile per-packet one-way delay: 31.608 ms

Loss rate: 21.42%

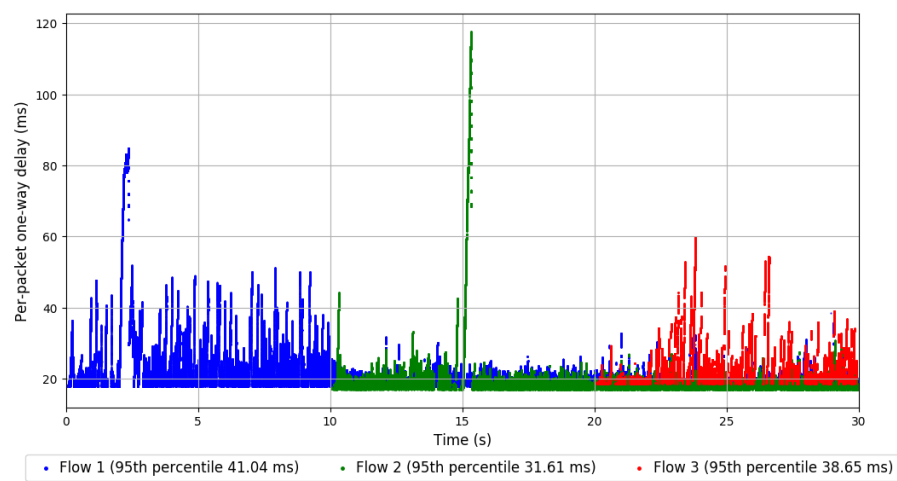
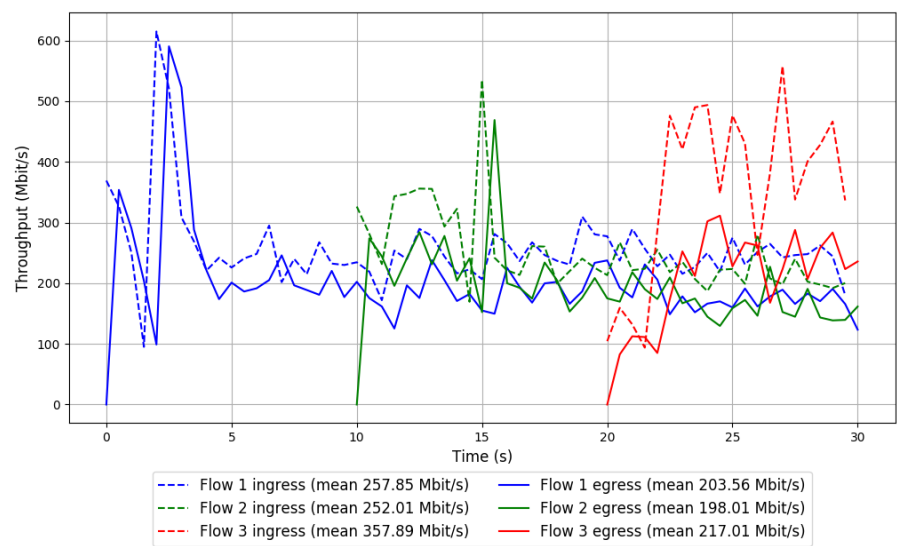
-- Flow 3:

Average throughput: 217.01 Mbit/s

95th percentile per-packet one-way delay: 38.653 ms

Loss rate: 39.34%

Run 4: Report of Verus — Data Link

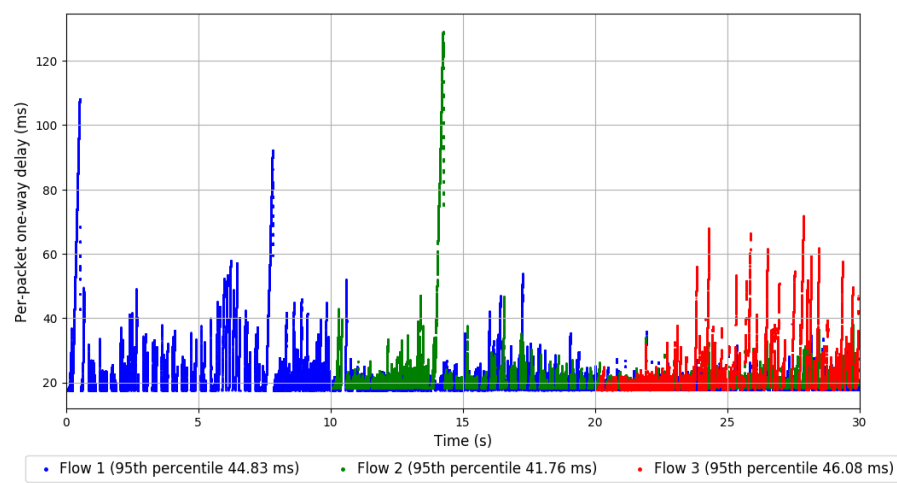
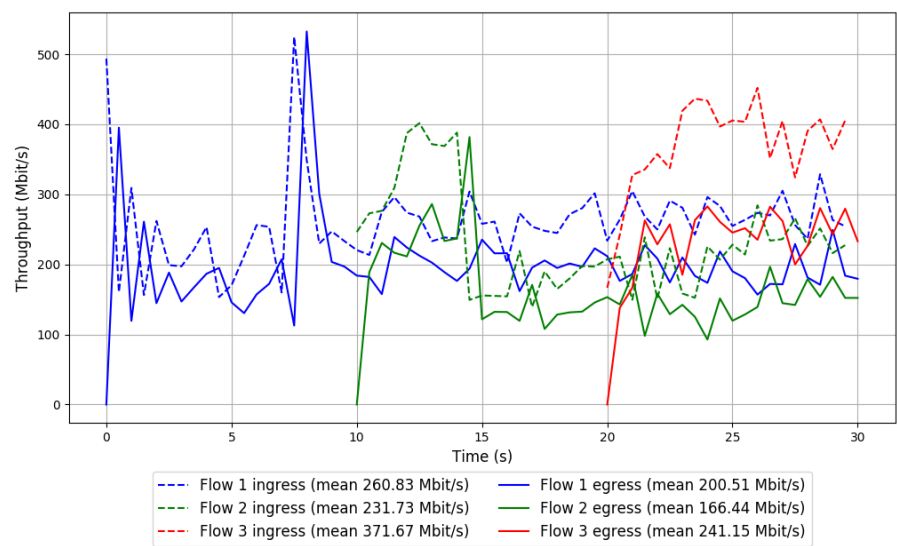


Run 5: Statistics of Verus

Start at: 2018-08-01 09:54:55
End at: 2018-08-01 09:55:25
Local clock offset: -3.095 ms
Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-08-01 14:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.13 Mbit/s
95th percentile per-packet one-way delay: 44.826 ms
Loss rate: 27.29%
-- Flow 1:
Average throughput: 200.51 Mbit/s
95th percentile per-packet one-way delay: 44.825 ms
Loss rate: 23.12%
-- Flow 2:
Average throughput: 166.44 Mbit/s
95th percentile per-packet one-way delay: 41.762 ms
Loss rate: 28.17%
-- Flow 3:
Average throughput: 241.15 Mbit/s
95th percentile per-packet one-way delay: 46.078 ms
Loss rate: 35.02%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-01 10:22:16

End at: 2018-08-01 10:22:46

Local clock offset: 0.616 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-08-01 14:36:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.23 Mbit/s

95th percentile per-packet one-way delay: 43.817 ms

Loss rate: 25.36%

-- Flow 1:

Average throughput: 217.00 Mbit/s

95th percentile per-packet one-way delay: 39.246 ms

Loss rate: 22.03%

-- Flow 2:

Average throughput: 128.13 Mbit/s

95th percentile per-packet one-way delay: 41.942 ms

Loss rate: 27.54%

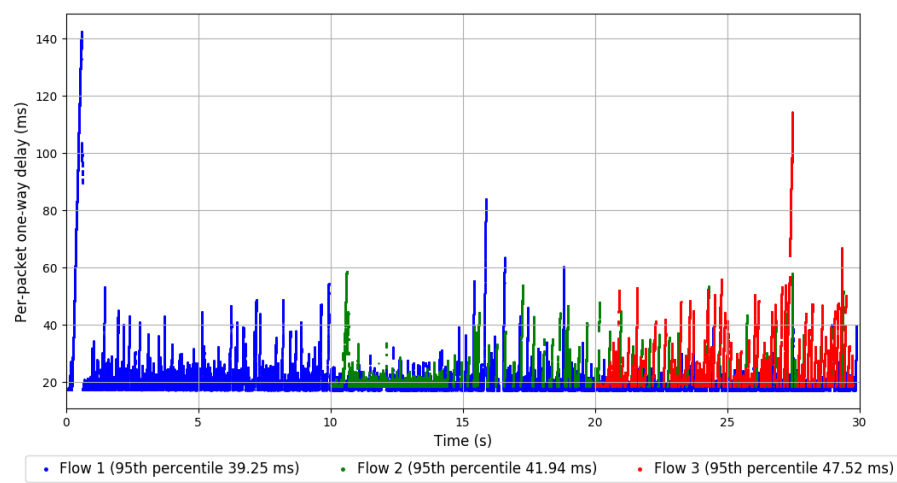
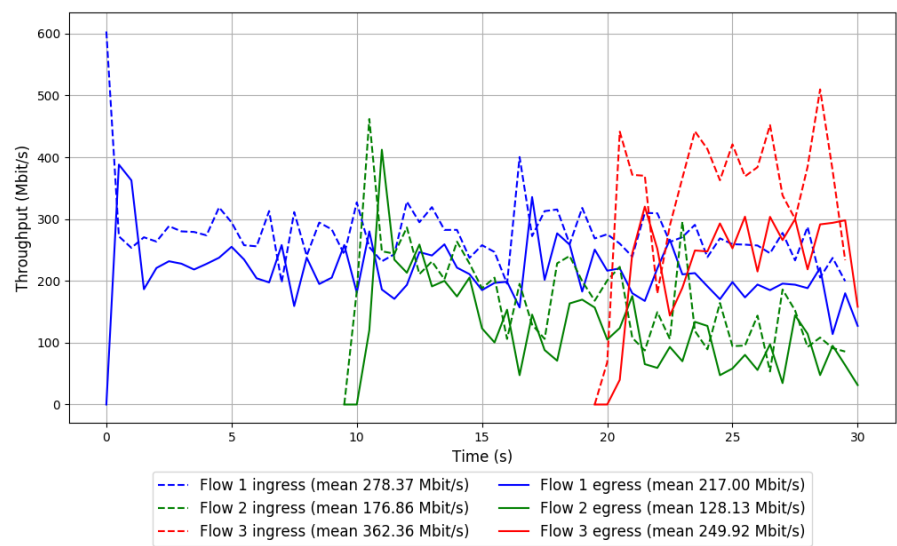
-- Flow 3:

Average throughput: 249.92 Mbit/s

95th percentile per-packet one-way delay: 47.520 ms

Loss rate: 31.03%

Run 6: Report of Verus — Data Link

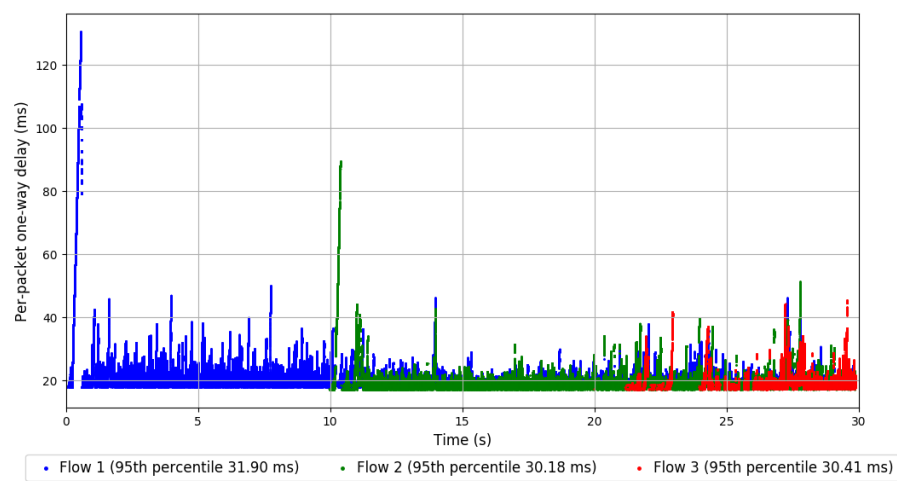
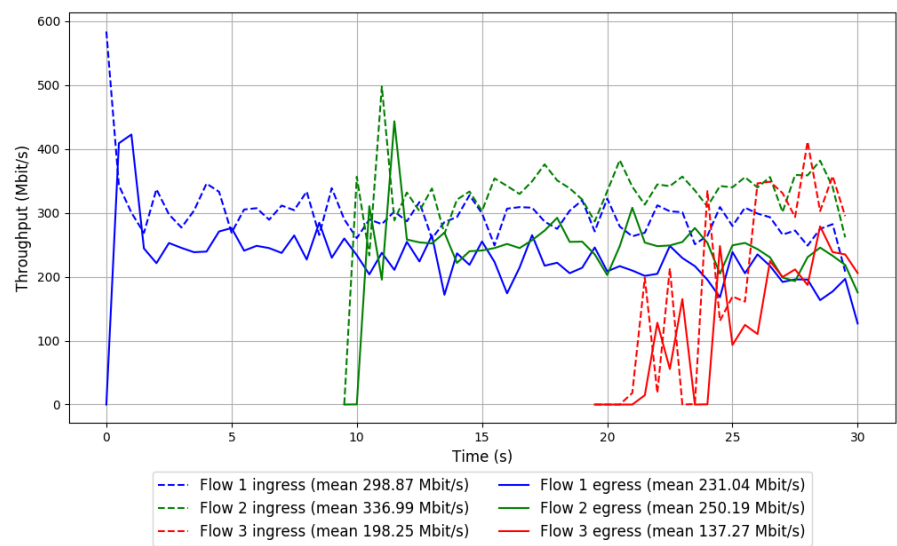


Run 7: Statistics of Verus

Start at: 2018-08-01 10:49:32
End at: 2018-08-01 10:50:02
Local clock offset: -3.606 ms
Remote clock offset: -1.545 ms

Below is generated by plot.py at 2018-08-01 14:38:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.34 Mbit/s
95th percentile per-packet one-way delay: 31.108 ms
Loss rate: 24.76%
-- Flow 1:
Average throughput: 231.04 Mbit/s
95th percentile per-packet one-way delay: 31.898 ms
Loss rate: 22.69%
-- Flow 2:
Average throughput: 250.19 Mbit/s
95th percentile per-packet one-way delay: 30.178 ms
Loss rate: 25.75%
-- Flow 3:
Average throughput: 137.27 Mbit/s
95th percentile per-packet one-way delay: 30.407 ms
Loss rate: 30.76%

Run 7: Report of Verus — Data Link

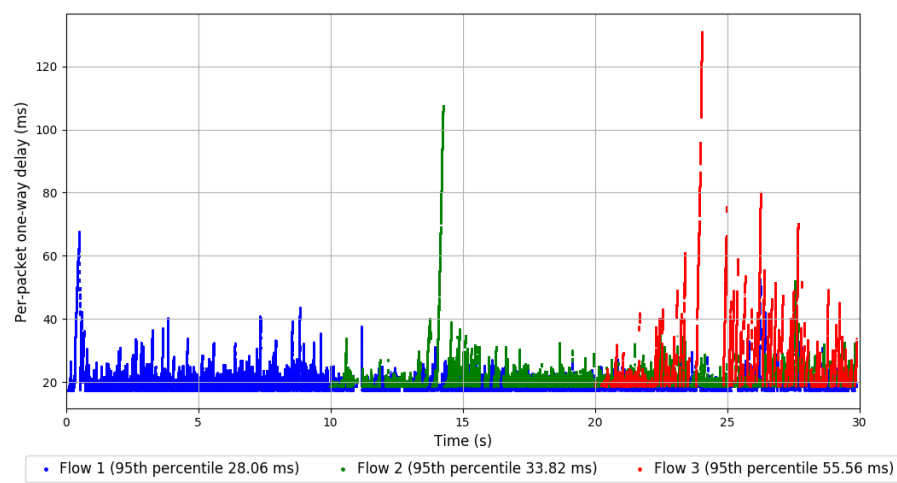
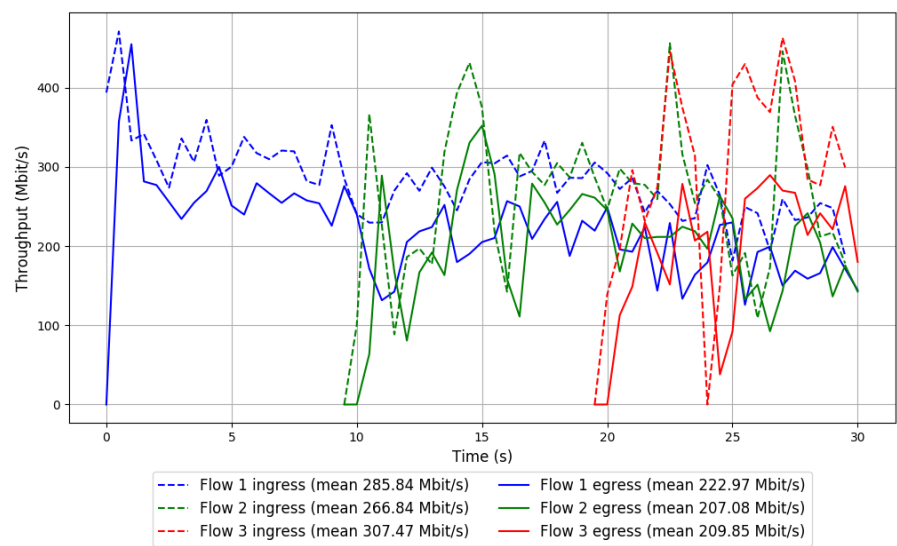


Run 8: Statistics of Verus

Start at: 2018-08-01 11:17:00
End at: 2018-08-01 11:17:30
Local clock offset: 0.369 ms
Remote clock offset: -4.872 ms

Below is generated by plot.py at 2018-08-01 14:38:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.33 Mbit/s
95th percentile per-packet one-way delay: 38.754 ms
Loss rate: 23.88%
-- Flow 1:
Average throughput: 222.97 Mbit/s
95th percentile per-packet one-way delay: 28.064 ms
Loss rate: 21.99%
-- Flow 2:
Average throughput: 207.08 Mbit/s
95th percentile per-packet one-way delay: 33.819 ms
Loss rate: 22.39%
-- Flow 3:
Average throughput: 209.85 Mbit/s
95th percentile per-packet one-way delay: 55.558 ms
Loss rate: 31.74%

Run 8: Report of Verus — Data Link

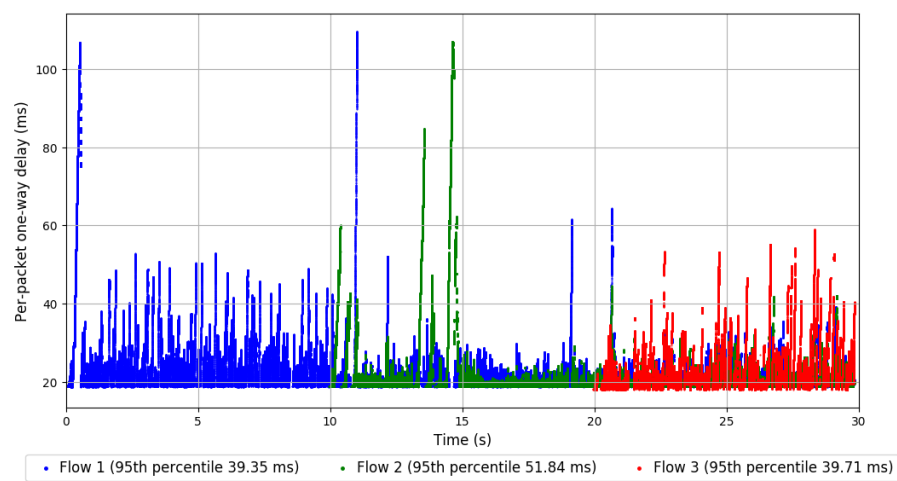
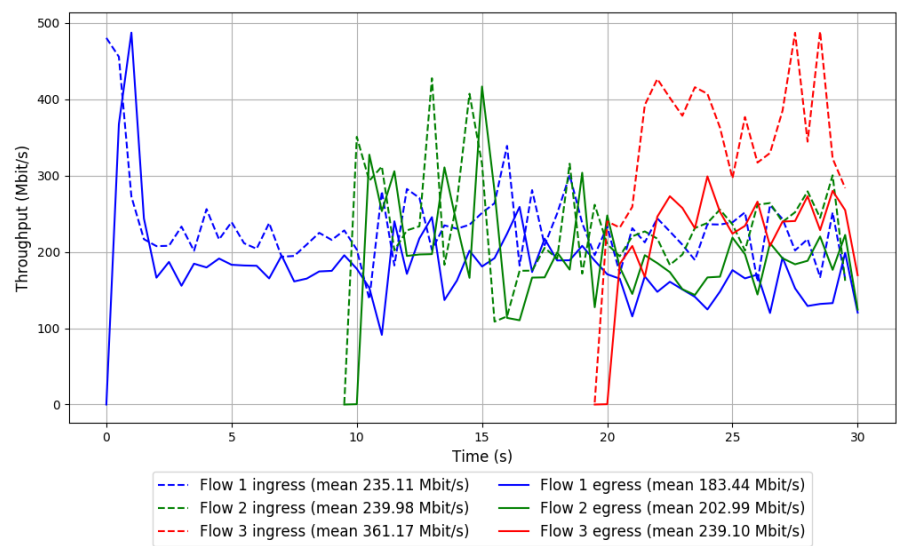


Run 9: Statistics of Verus

Start at: 2018-08-01 11:44:28
End at: 2018-08-01 11:44:58
Local clock offset: 0.447 ms
Remote clock offset: -6.652 ms

Below is generated by plot.py at 2018-08-01 14:39:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.34 Mbit/s
95th percentile per-packet one-way delay: 42.541 ms
Loss rate: 22.68%
-- Flow 1:
Average throughput: 183.44 Mbit/s
95th percentile per-packet one-way delay: 39.355 ms
Loss rate: 21.98%
-- Flow 2:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 51.842 ms
Loss rate: 15.41%
-- Flow 3:
Average throughput: 239.10 Mbit/s
95th percentile per-packet one-way delay: 39.707 ms
Loss rate: 33.76%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-01 12:11:44

End at: 2018-08-01 12:12:14

Local clock offset: 3.525 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-08-01 14:39:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.79 Mbit/s

95th percentile per-packet one-way delay: 45.639 ms

Loss rate: 20.27%

-- Flow 1:

Average throughput: 220.01 Mbit/s

95th percentile per-packet one-way delay: 37.113 ms

Loss rate: 21.67%

-- Flow 2:

Average throughput: 110.87 Mbit/s

95th percentile per-packet one-way delay: 73.102 ms

Loss rate: 12.99%

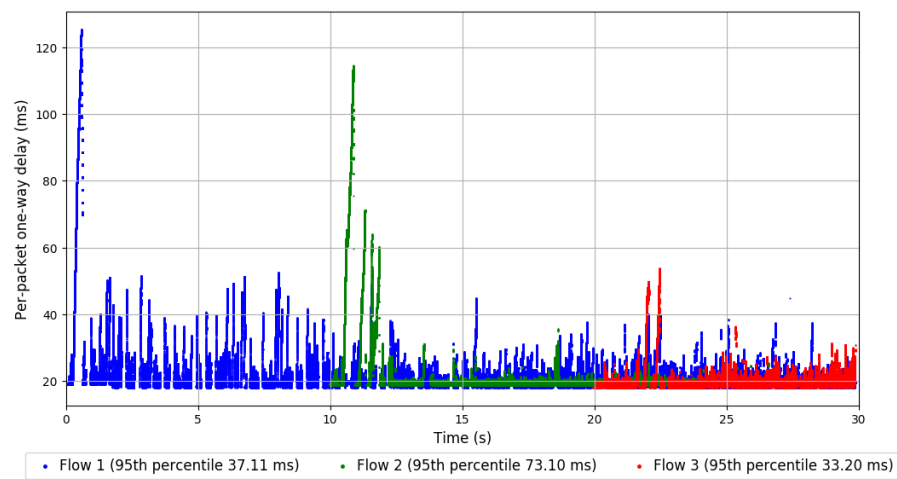
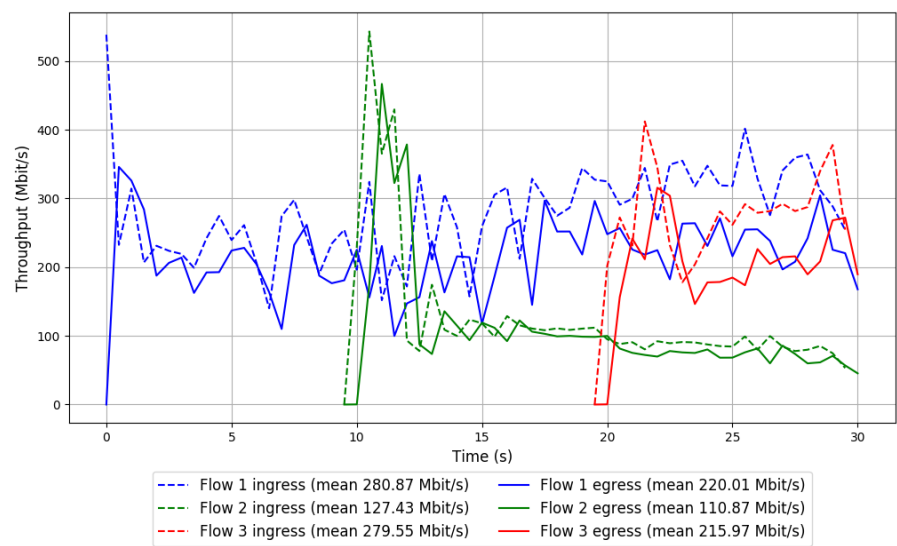
-- Flow 3:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 33.199 ms

Loss rate: 22.72%

Run 10: Report of Verus — Data Link

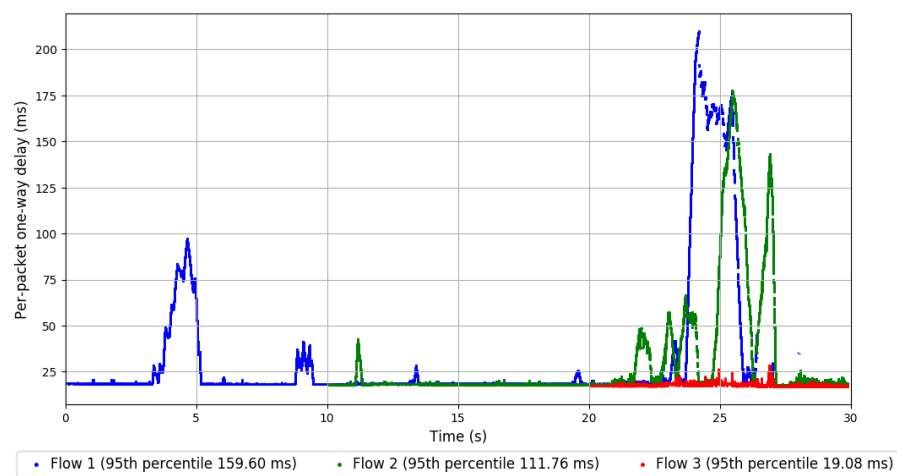
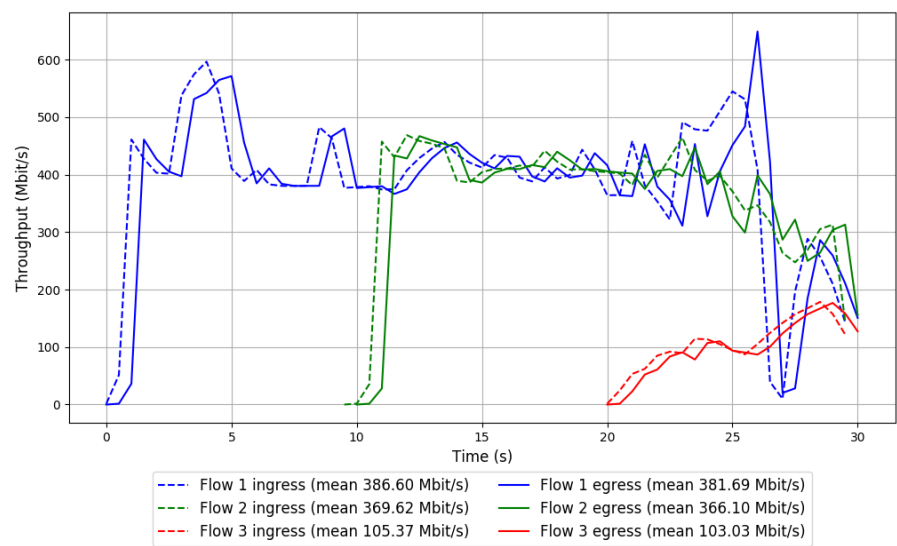


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 07:54:30
End at: 2018-08-01 07:55:00
Local clock offset: 4.387 ms
Remote clock offset: -2.121 ms

Below is generated by plot.py at 2018-08-01 14:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 659.25 Mbit/s
95th percentile per-packet one-way delay: 129.599 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 381.69 Mbit/s
95th percentile per-packet one-way delay: 159.599 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 366.10 Mbit/s
95th percentile per-packet one-way delay: 111.760 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 103.03 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 2.22%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 08:21:56

End at: 2018-08-01 08:22:26

Local clock offset: -1.585 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-08-01 14:42:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 565.28 Mbit/s

95th percentile per-packet one-way delay: 19.316 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 325.40 Mbit/s

95th percentile per-packet one-way delay: 18.768 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 301.45 Mbit/s

95th percentile per-packet one-way delay: 19.746 ms

Loss rate: 0.22%

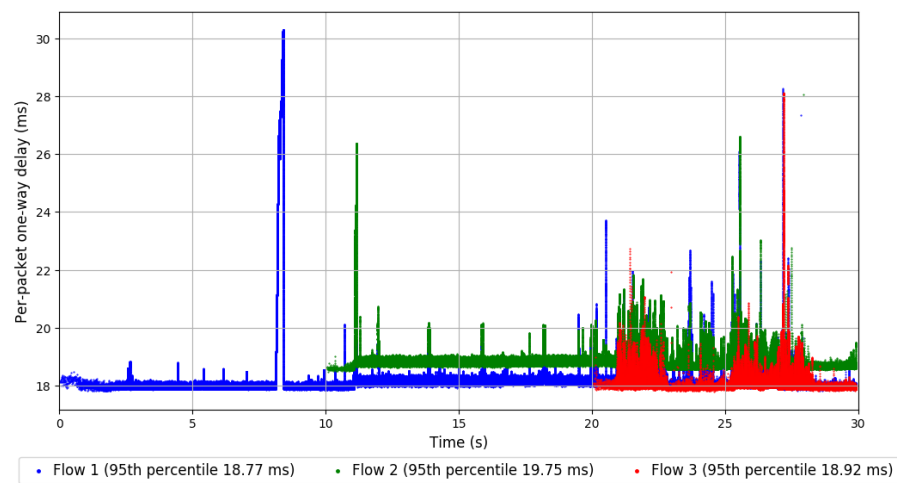
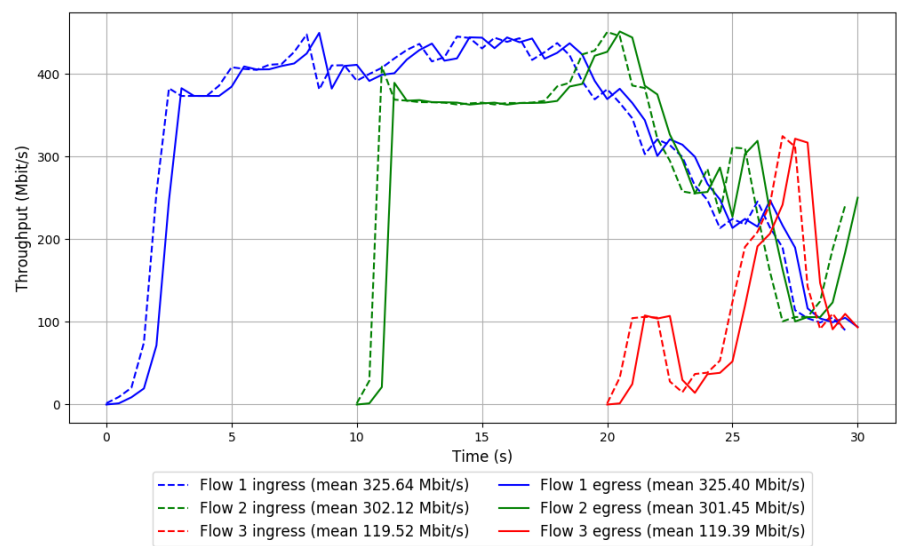
-- Flow 3:

Average throughput: 119.39 Mbit/s

95th percentile per-packet one-way delay: 18.924 ms

Loss rate: 0.11%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 08:49:23

End at: 2018-08-01 08:49:53

Local clock offset: -0.996 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2018-08-01 14:43:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 617.10 Mbit/s

95th percentile per-packet one-way delay: 142.855 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 361.67 Mbit/s

95th percentile per-packet one-way delay: 173.908 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 339.70 Mbit/s

95th percentile per-packet one-way delay: 18.993 ms

Loss rate: 0.12%

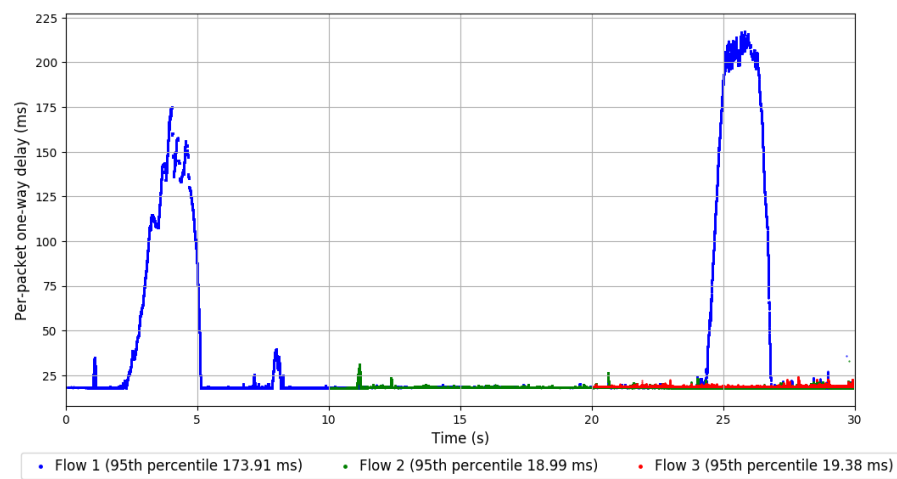
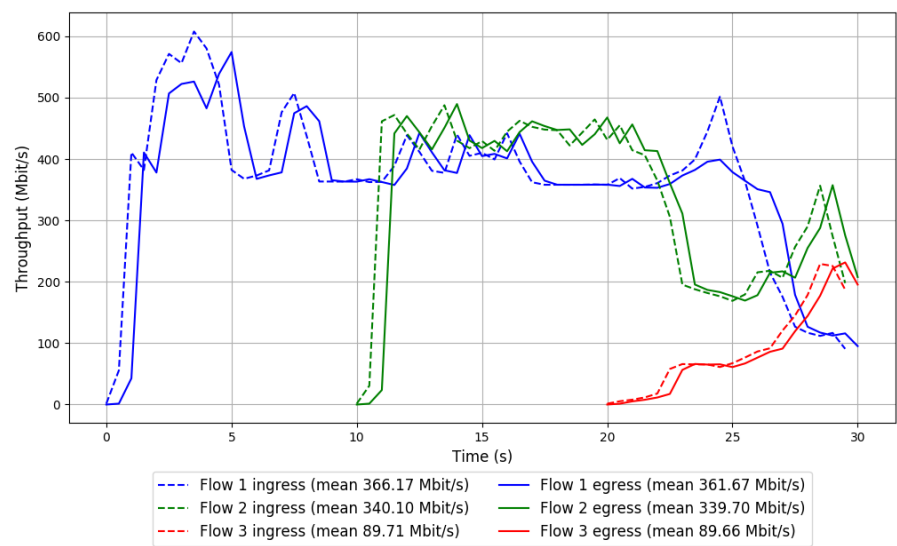
-- Flow 3:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 19.383 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 09:16:57

End at: 2018-08-01 09:17:27

Local clock offset: -0.463 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-08-01 14:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 625.62 Mbit/s

95th percentile per-packet one-way delay: 23.748 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 339.60 Mbit/s

95th percentile per-packet one-way delay: 21.637 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 381.26 Mbit/s

95th percentile per-packet one-way delay: 34.286 ms

Loss rate: 0.12%

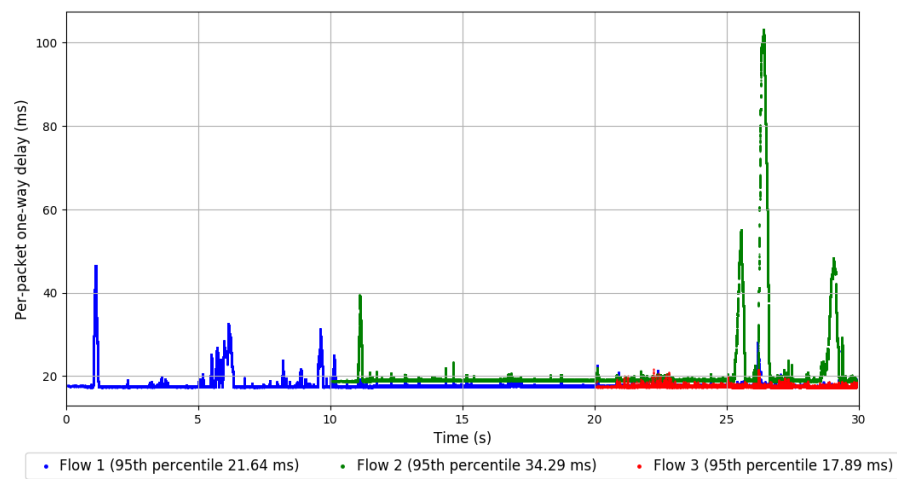
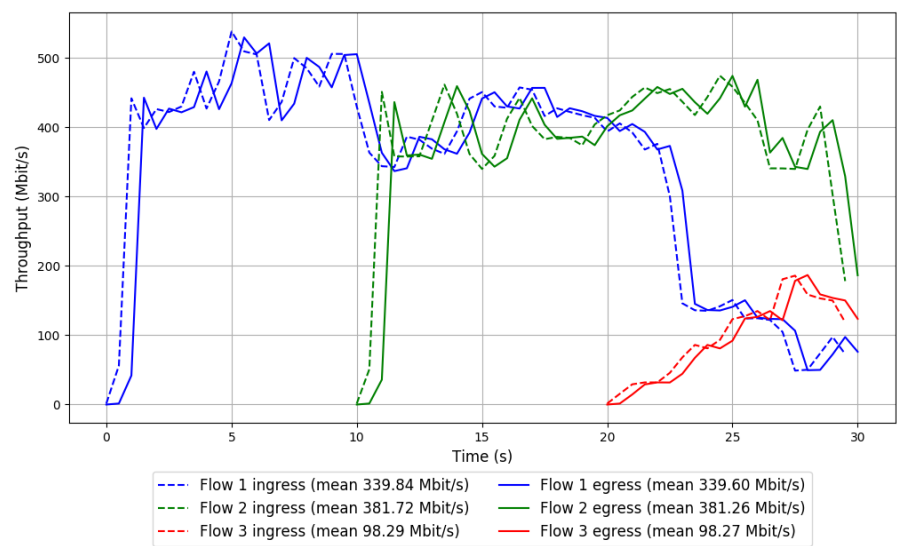
-- Flow 3:

Average throughput: 98.27 Mbit/s

95th percentile per-packet one-way delay: 17.893 ms

Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 09:44:21

End at: 2018-08-01 09:44:51

Local clock offset: -3.671 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-08-01 14:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 574.00 Mbit/s

95th percentile per-packet one-way delay: 19.283 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 360.48 Mbit/s

95th percentile per-packet one-way delay: 19.500 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 276.48 Mbit/s

95th percentile per-packet one-way delay: 18.629 ms

Loss rate: 0.03%

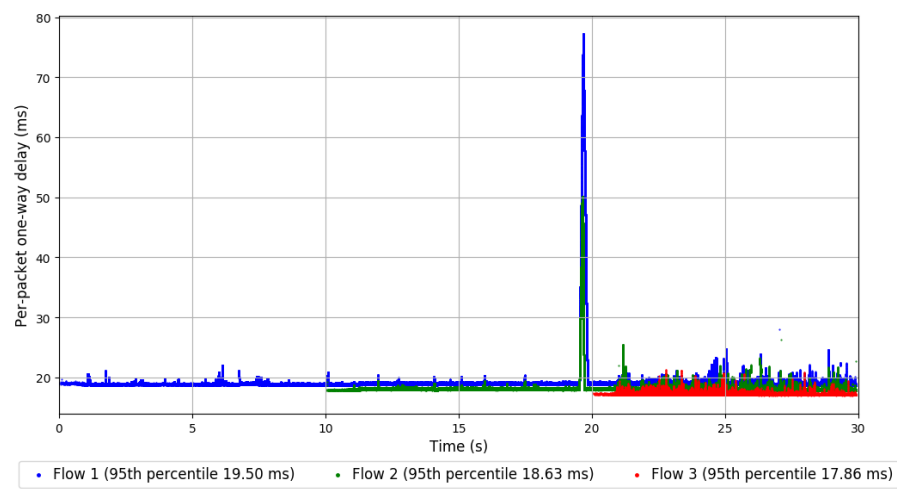
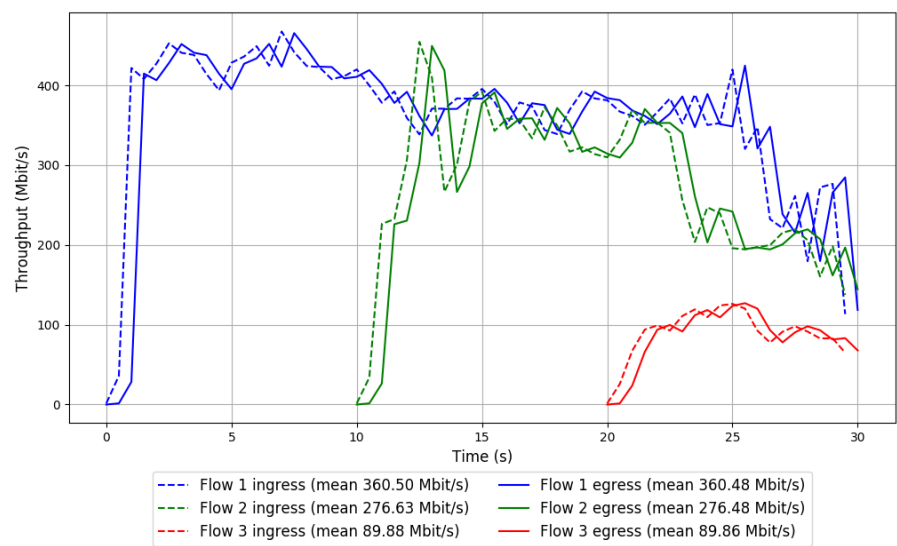
-- Flow 3:

Average throughput: 89.86 Mbit/s

95th percentile per-packet one-way delay: 17.863 ms

Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 10:11:37

End at: 2018-08-01 10:12:07

Local clock offset: 0.114 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-01 14:46:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 638.86 Mbit/s

95th percentile per-packet one-way delay: 32.736 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 375.56 Mbit/s

95th percentile per-packet one-way delay: 25.051 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 369.46 Mbit/s

95th percentile per-packet one-way delay: 35.161 ms

Loss rate: 0.43%

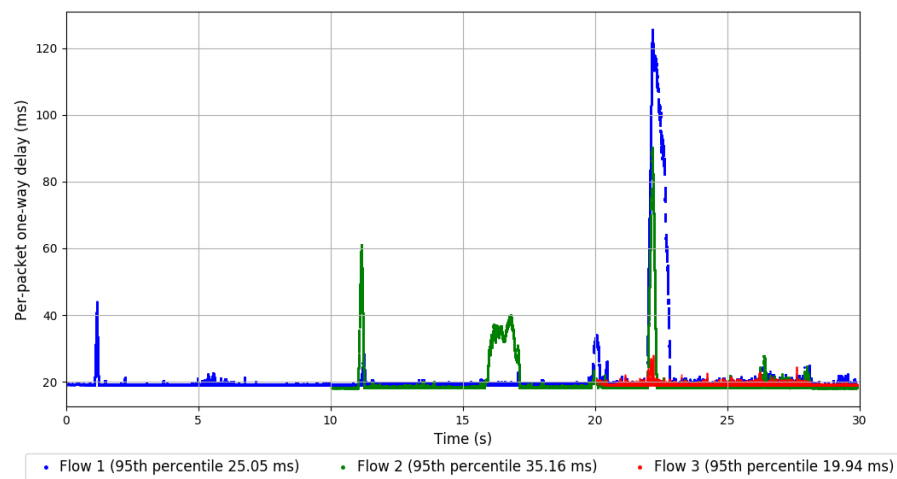
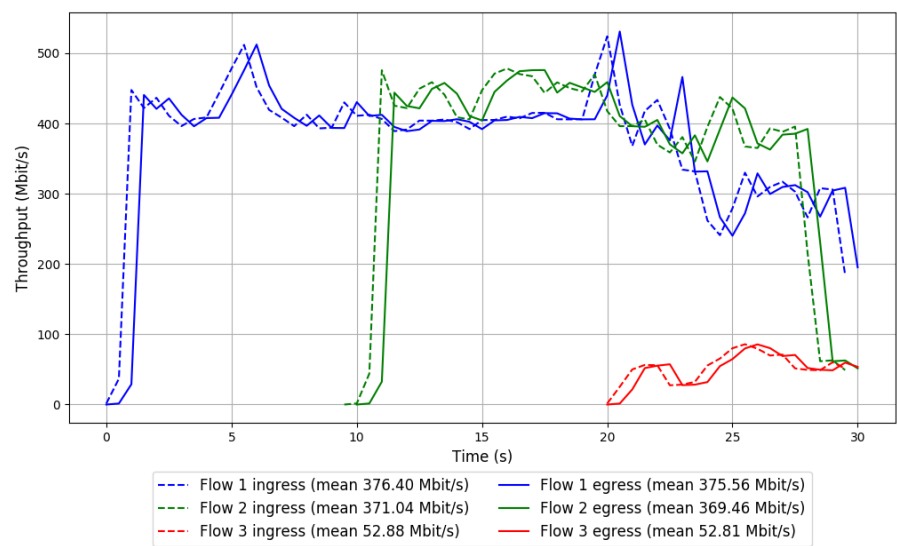
-- Flow 3:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 19.943 ms

Loss rate: 0.18%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 10:38:53

End at: 2018-08-01 10:39:23

Local clock offset: -2.857 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-01 14:46:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 598.90 Mbit/s

95th percentile per-packet one-way delay: 71.509 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 351.80 Mbit/s

95th percentile per-packet one-way delay: 92.304 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 329.80 Mbit/s

95th percentile per-packet one-way delay: 53.207 ms

Loss rate: 0.37%

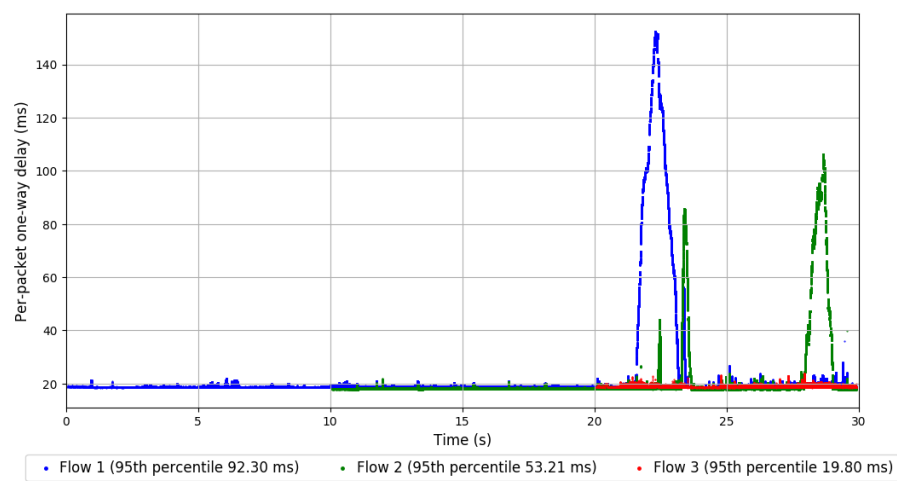
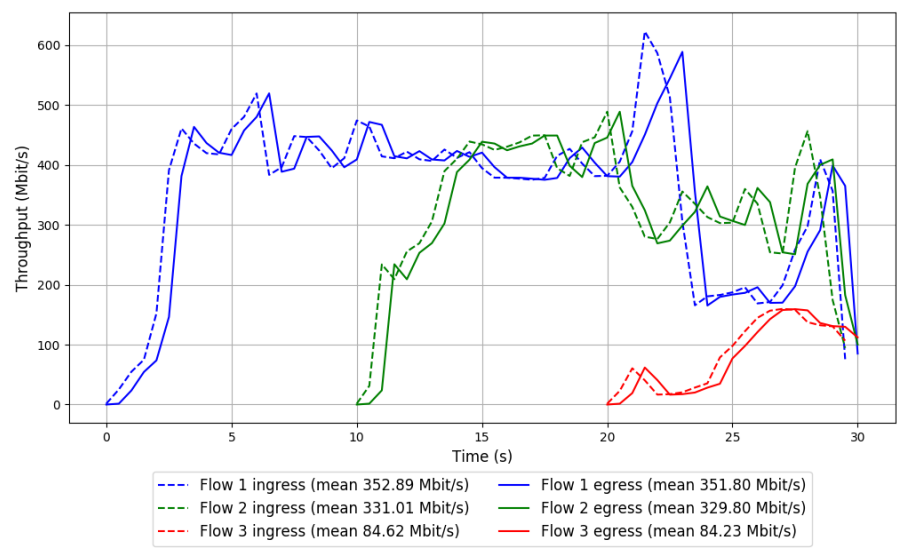
-- Flow 3:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 19.795 ms

Loss rate: 0.44%

Run 7: Report of PCC-Vivace — Data Link

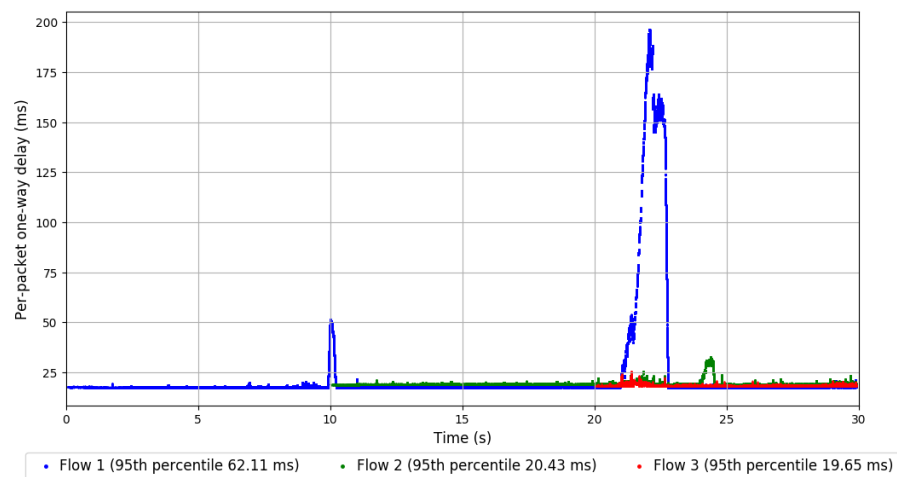
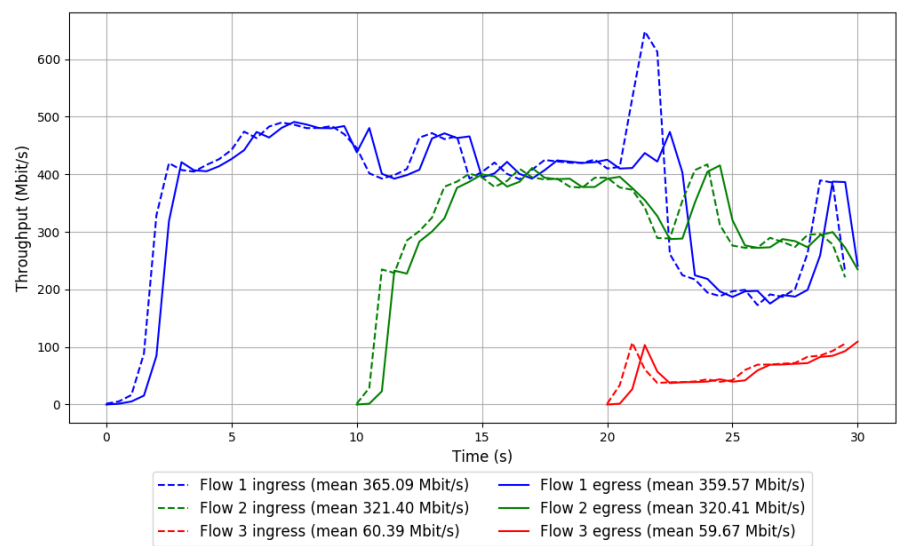


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 11:06:24
End at: 2018-08-01 11:06:54
Local clock offset: -0.336 ms
Remote clock offset: -3.925 ms

Below is generated by plot.py at 2018-08-01 14:46:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 592.43 Mbit/s
95th percentile per-packet one-way delay: 30.411 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 359.57 Mbit/s
95th percentile per-packet one-way delay: 62.112 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 320.41 Mbit/s
95th percentile per-packet one-way delay: 20.428 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 19.653 ms
Loss rate: 1.18%

Run 8: Report of PCC-Vivace — Data Link

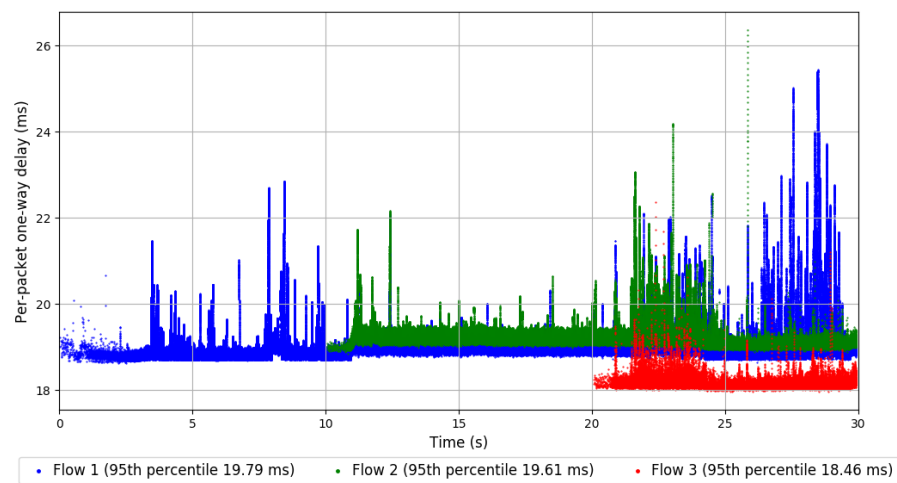
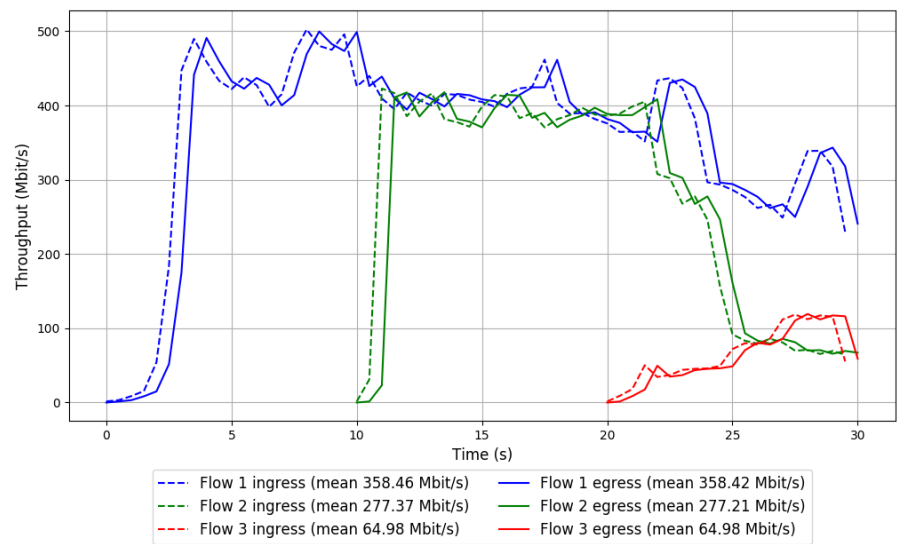


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 11:33:53
End at: 2018-08-01 11:34:23
Local clock offset: 0.428 ms
Remote clock offset: -5.942 ms

Below is generated by plot.py at 2018-08-01 14:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.23 Mbit/s
95th percentile per-packet one-way delay: 19.686 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 358.42 Mbit/s
95th percentile per-packet one-way delay: 19.794 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 277.21 Mbit/s
95th percentile per-packet one-way delay: 19.615 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 18.465 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

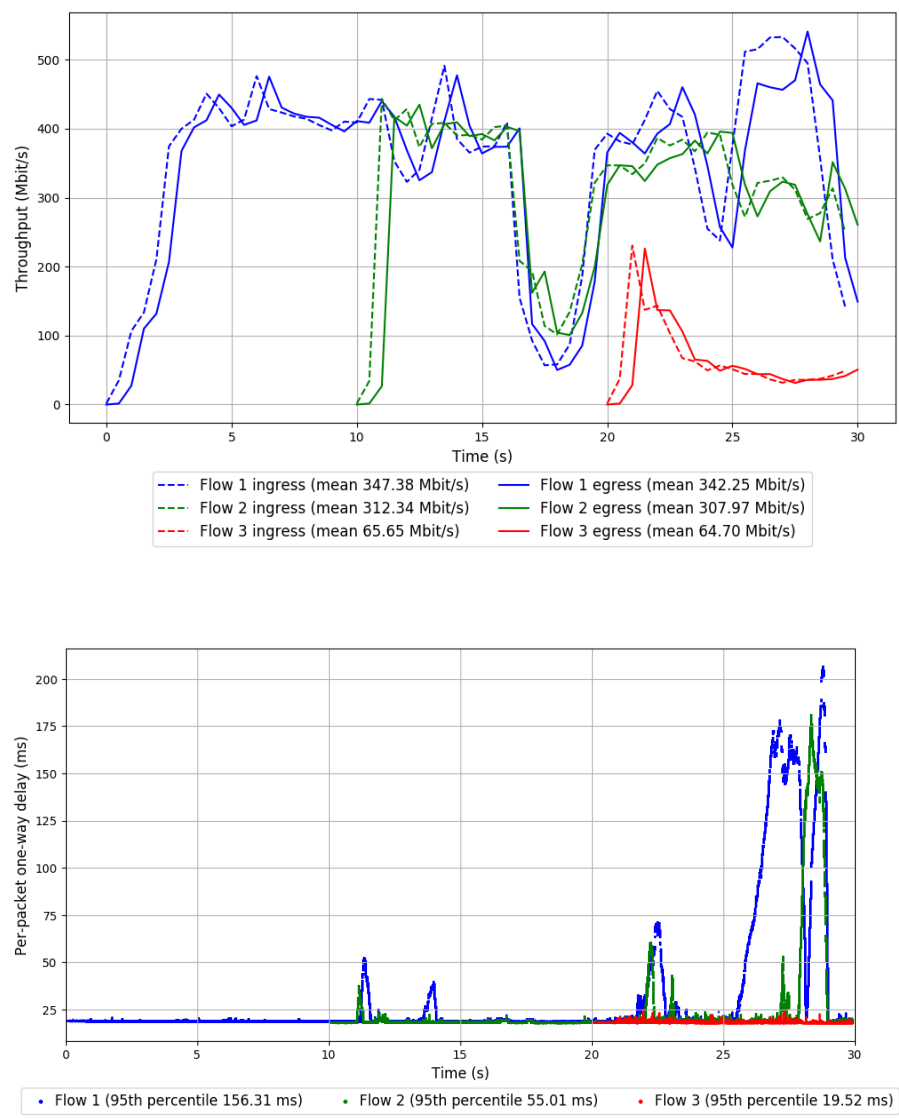


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 12:01:12
End at: 2018-08-01 12:01:42
Local clock offset: 2.404 ms
Remote clock offset: -2.233 ms

Below is generated by plot.py at 2018-08-01 14:46:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 568.53 Mbit/s
95th percentile per-packet one-way delay: 144.207 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 342.25 Mbit/s
95th percentile per-packet one-way delay: 156.309 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 307.97 Mbit/s
95th percentile per-packet one-way delay: 55.011 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 19.515 ms
Loss rate: 1.45%

Run 10: Report of PCC-Vivace — Data Link

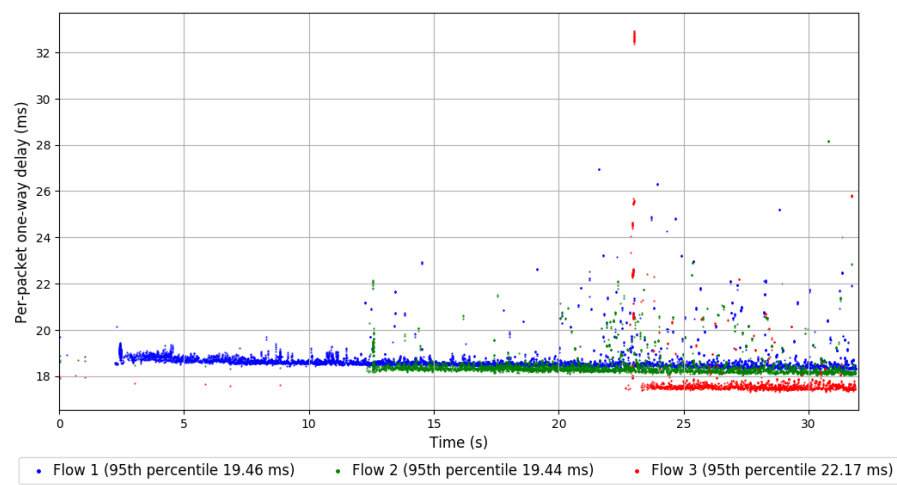
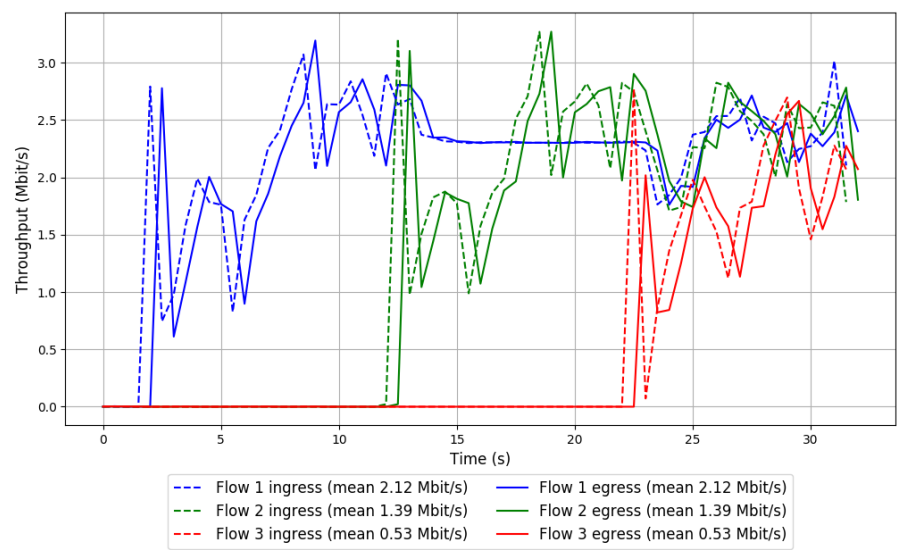


Run 1: Statistics of WebRTC media

Start at: 2018-08-01 07:58:06
End at: 2018-08-01 07:58:36
Local clock offset: 2.647 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-08-01 14:46:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 19.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 22.170 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-01 08:25:30

End at: 2018-08-01 08:26:00

Local clock offset: -1.29 ms

Remote clock offset: 1.613 ms

Below is generated by plot.py at 2018-08-01 14:46:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 20.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 20.894 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 18.544 ms

Loss rate: 0.00%

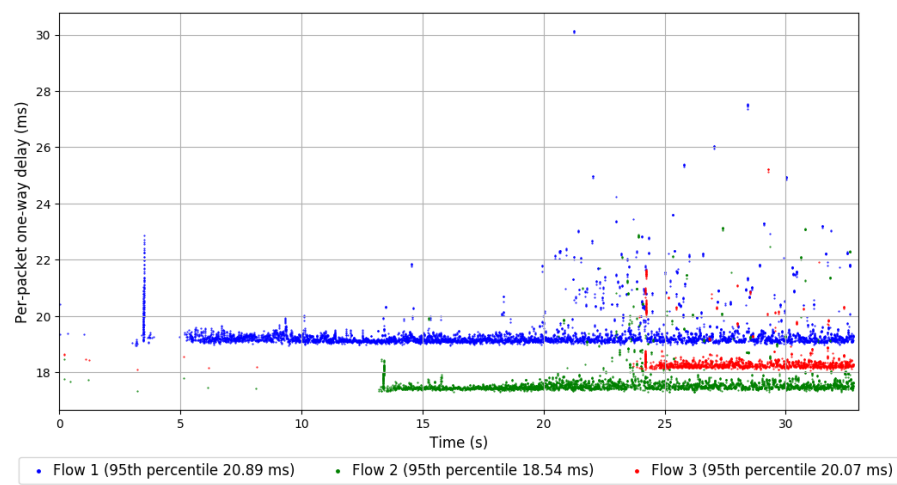
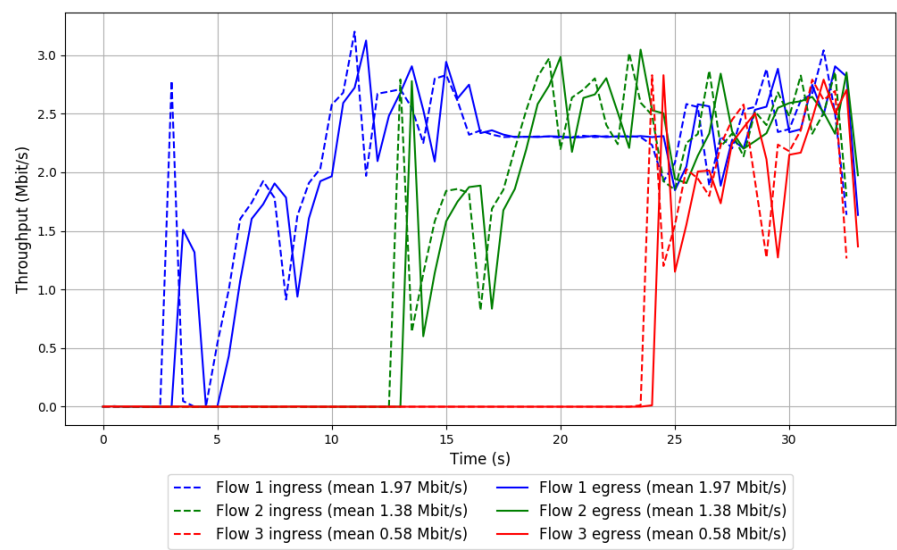
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 20.065 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-01 08:52:57

End at: 2018-08-01 08:53:27

Local clock offset: -0.976 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2018-08-01 14:46:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 19.435 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 19.300 ms

Loss rate: 0.00%

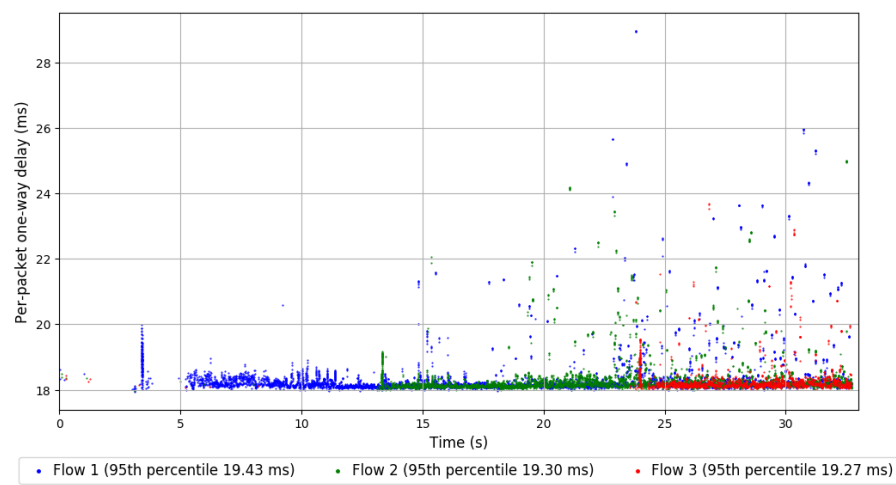
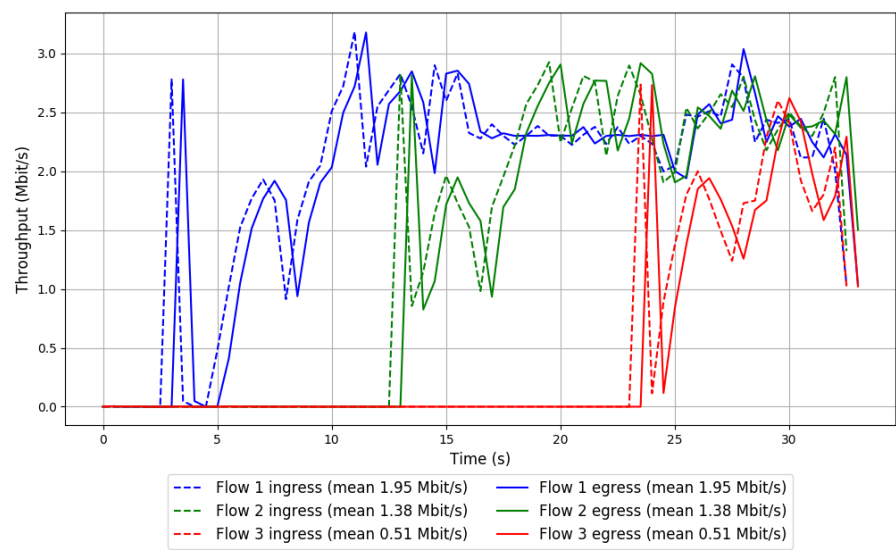
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 19.274 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-01 09:20:32

End at: 2018-08-01 09:21:02

Local clock offset: -0.432 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-08-01 14:46:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.80 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 18.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 19.688 ms

Loss rate: 0.00%

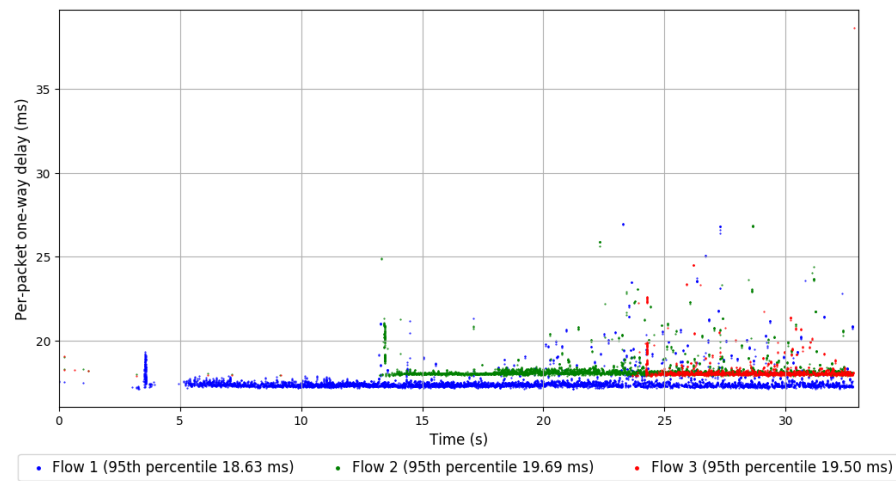
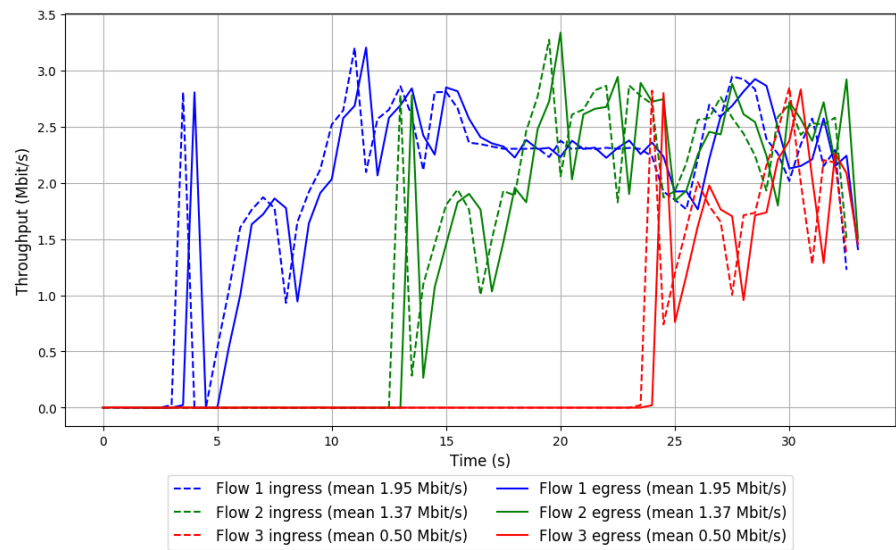
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 19.500 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 09:47:52

End at: 2018-08-01 09:48:22

Local clock offset: -3.9 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-08-01 14:46:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 19.982 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 19.947 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 20.262 ms

Loss rate: 0.00%

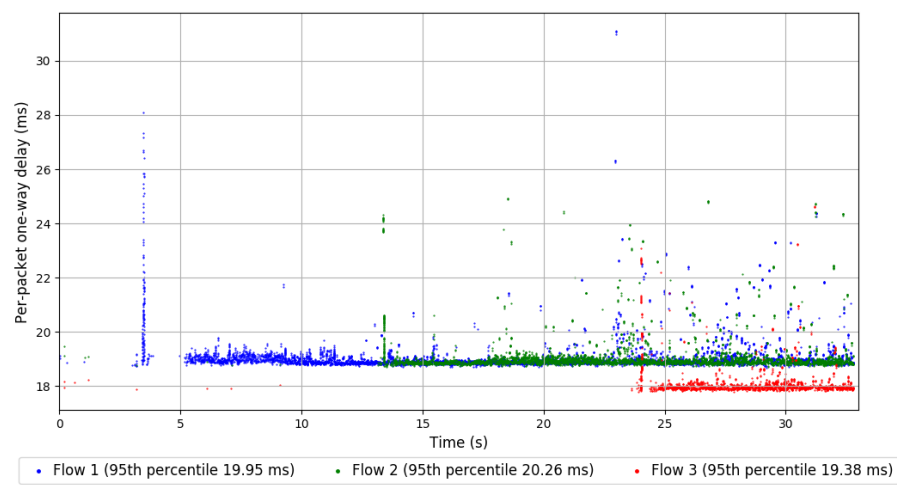
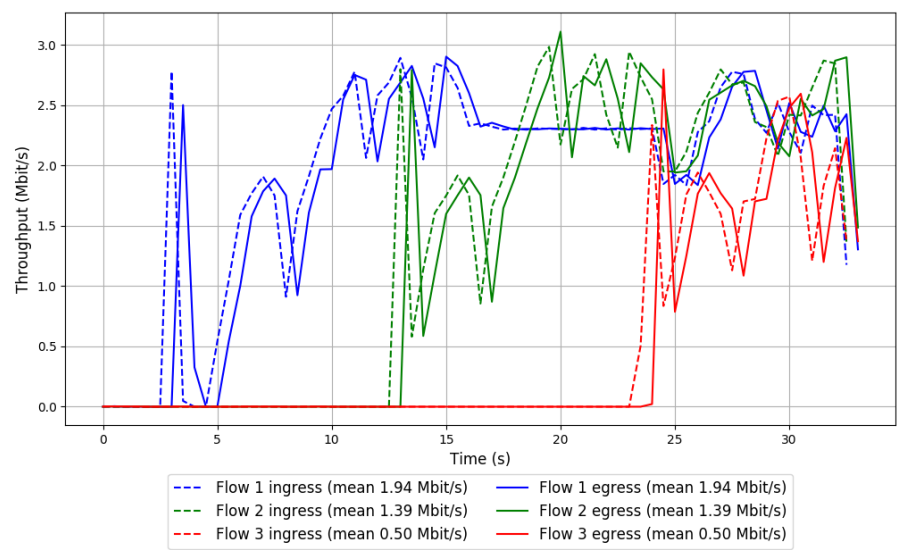
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 19.377 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-01 10:15:11

End at: 2018-08-01 10:15:41

Local clock offset: 0.338 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-01 14:46:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 19.714 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 19.099 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 20.097 ms

Loss rate: 0.00%

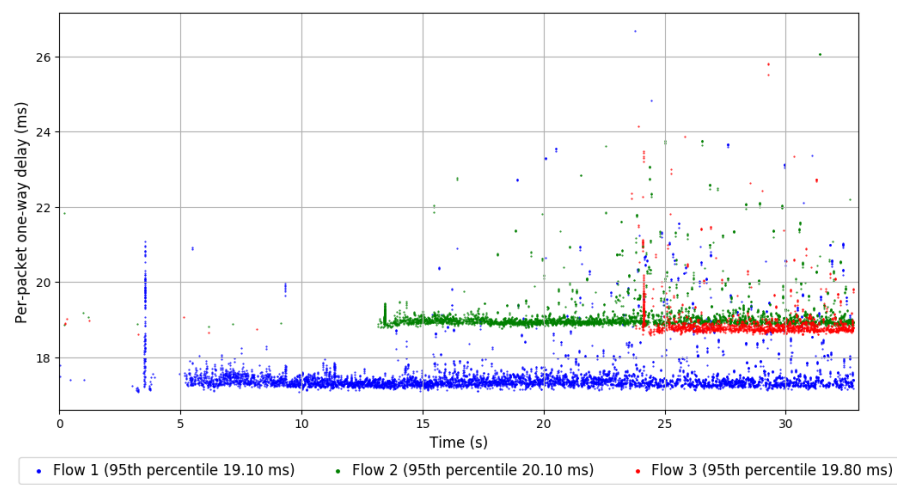
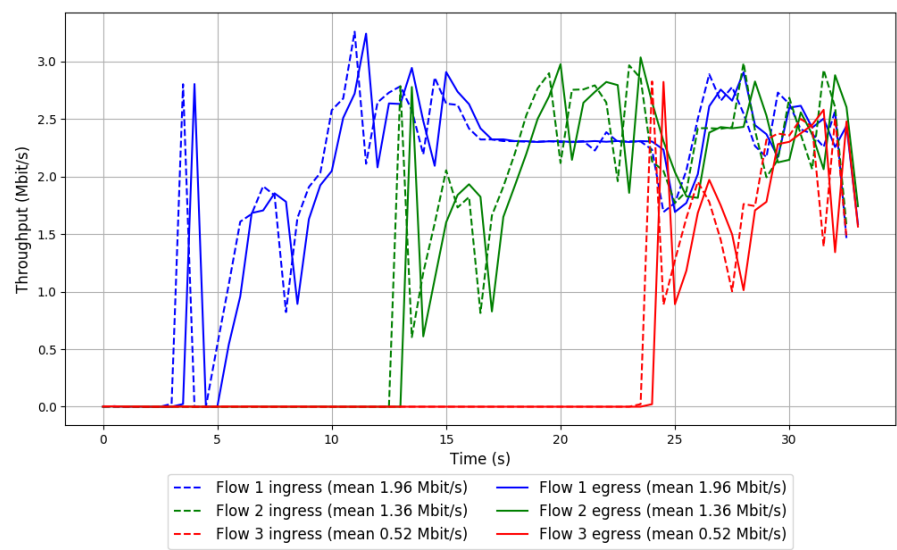
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 19.801 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-01 10:42:25

End at: 2018-08-01 10:42:55

Local clock offset: -3.237 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-08-01 14:46:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 19.283 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 19.175 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 18.680 ms

Loss rate: 0.00%

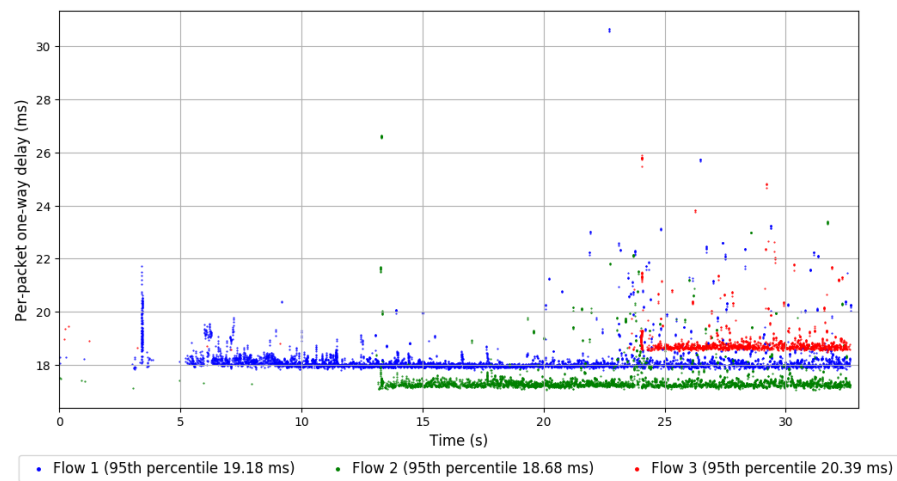
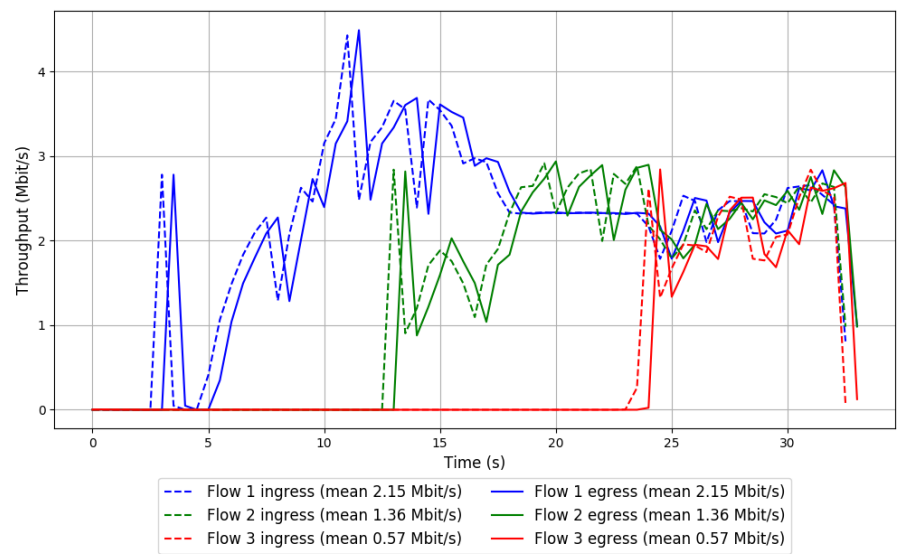
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 20.395 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

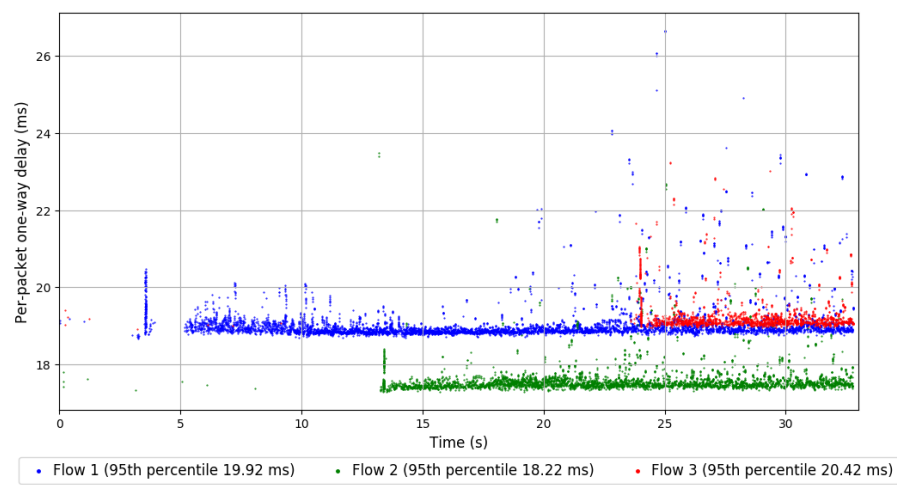
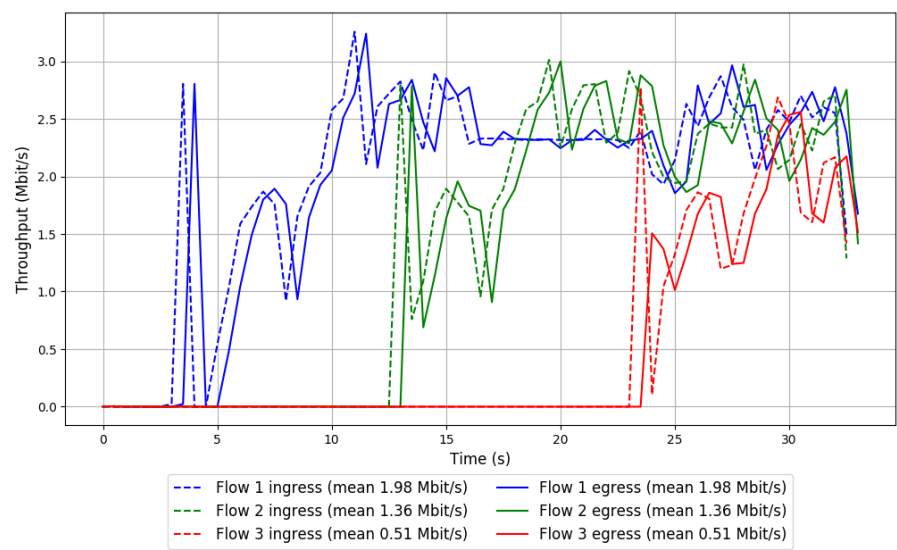


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 11:09:56
End at: 2018-08-01 11:10:26
Local clock offset: 0.019 ms
Remote clock offset: -4.273 ms

Below is generated by plot.py at 2018-08-01 14:46:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 19.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 19.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 18.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 20.423 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

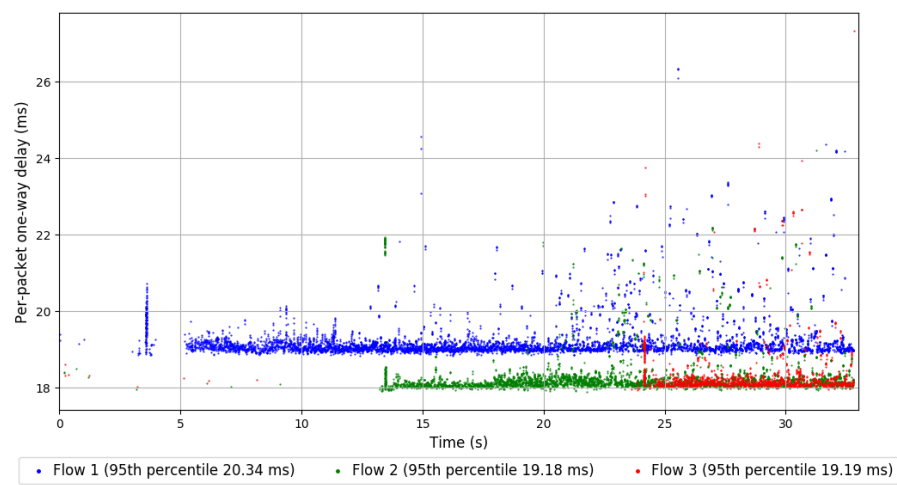
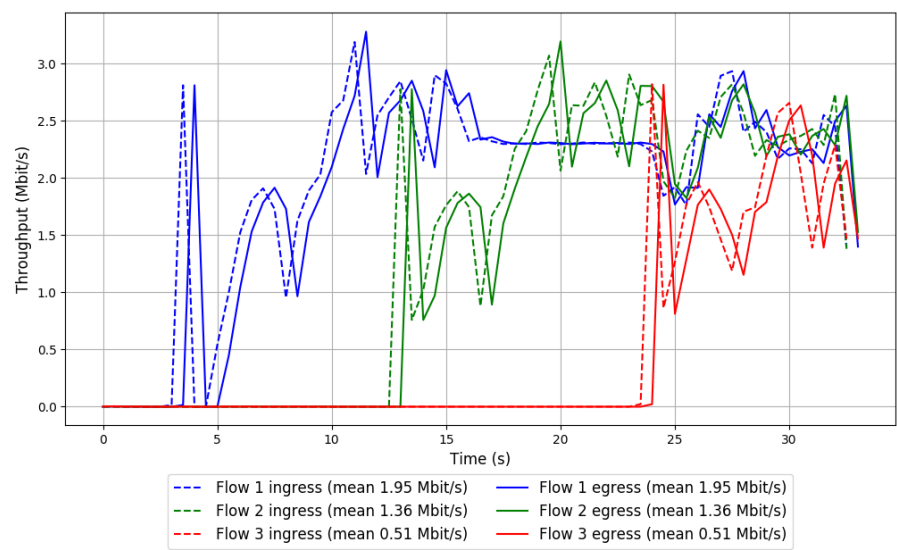


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 11:37:24
End at: 2018-08-01 11:37:54
Local clock offset: 0.422 ms
Remote clock offset: -6.226 ms

Below is generated by plot.py at 2018-08-01 14:46:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 19.986 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 20.336 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 19.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 0.40%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 12:04:43
End at: 2018-08-01 12:05:13
Local clock offset: 2.891 ms
Remote clock offset: -1.074 ms

Below is generated by plot.py at 2018-08-01 14:46:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.956 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 20.052 ms
Loss rate: 0.18%

Run 10: Report of WebRTC media — Data Link

