

Pantheon Summary (Generated at Sat, 29 Jul 2017 13:54:07 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)

Repeated the test of 15 congestion control schemes 10 times.

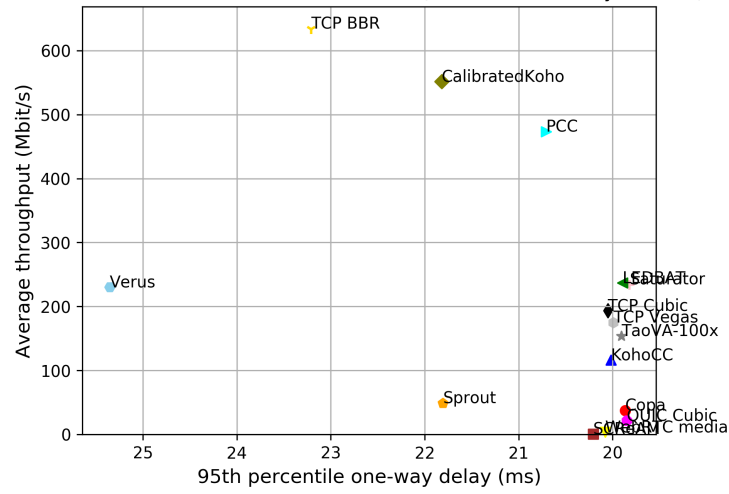
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

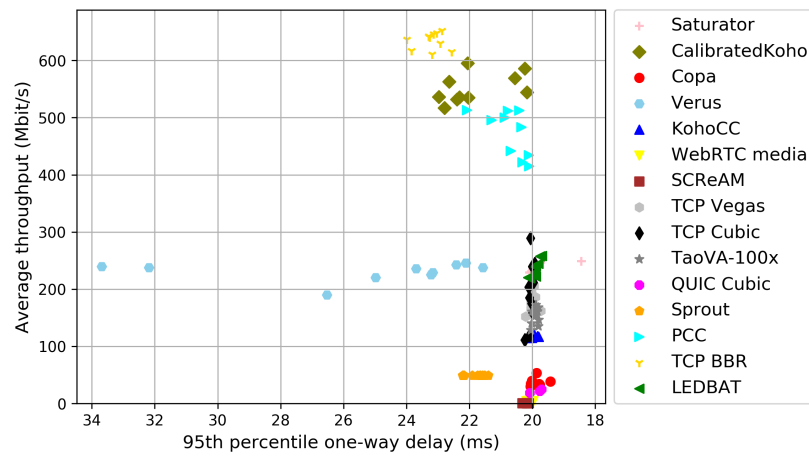
NTP offset measured against time.stanford.edu and has been applied to correct the timestamps in logs.

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
M scripts/merge-tunnel-logs
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 1 Ethernet to Stanford Ethernet, 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 Ethernet to Stanford Ethernet, 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	342.17	303.28	270.79	23.30	23.13	23.24	1.23	1.66	1.51
CalibratedKoho	10	325.62	251.60	178.03	21.66	21.80	21.72	0.12	0.15	0.29
Copa	10	19.27	18.39	17.60	19.73	19.56	19.72	0.00	0.00	0.00
TCP Cubic	10	69.48	107.01	125.84	1399.11	19.85	20.05	0.02	0.03	0.05
KohoCC	10	58.19	58.53	57.75	19.88	19.72	19.85	0.01	0.01	0.01
LEDBAT	10	131.90	113.15	89.89	19.72	19.93	19.58	0.03	0.04	0.04
PCC	10	330.50	155.45	121.01	20.60	20.61	20.24	0.17	0.19	0.05
QUIC Cubic	10	0.30	0.10	70.25	19.32	432.69	19.85	0.00	0.00	0.01
Saturator	10	117.35	117.29	117.02	19.69	19.65	19.65	0.01	0.01	0.01
SCReAM	10	0.22	0.22	0.22	20.21	20.02	20.00	0.00	0.00	0.00
Sprout	10	24.73	24.62	24.38	21.99	21.65	20.76	0.08	0.09	0.04
TaoVA-100x	10	96.71	65.77	39.92	19.59	19.89	19.74	0.03	0.07	0.01
TCP Vegas	10	86.71	82.92	99.94	20.00	19.40	19.77	0.02	0.03	0.03
Verus	10	142.22	95.98	75.78	26.24	24.10	24.30	0.67	0.90	0.82
WebRTC media	10	1.74	1.51	0.56	19.93	19.97	19.84	0.01	0.03	0.01

Run 1: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 04:30:15 +0000

End at: Sat, 29 Jul 2017 04:30:45 +0000

Local clock offset: -0.376 ms

Remote clock offset: -2.115 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:20:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 646.23 Mbit/s

95th percentile per-packet one-way delay: 23.141 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 351.81 Mbit/s

95th percentile per-packet one-way delay: 23.509 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 307.41 Mbit/s

95th percentile per-packet one-way delay: 22.816 ms

Loss rate: 2.18%

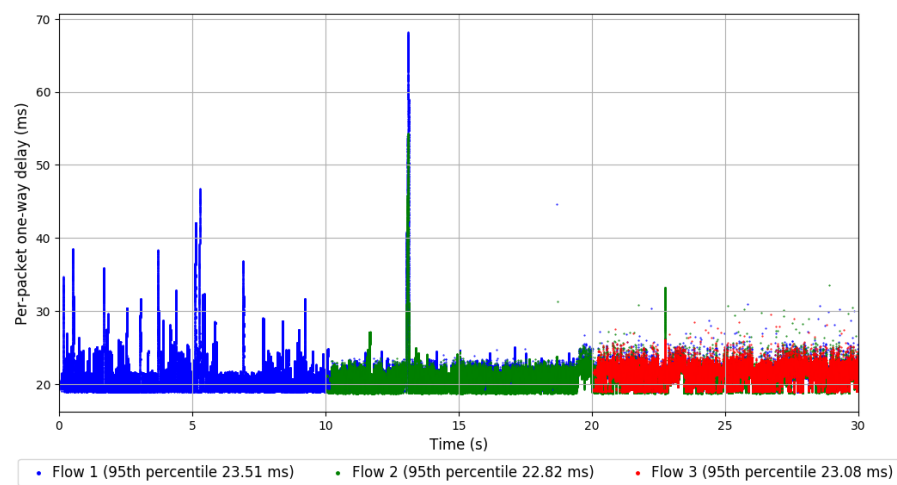
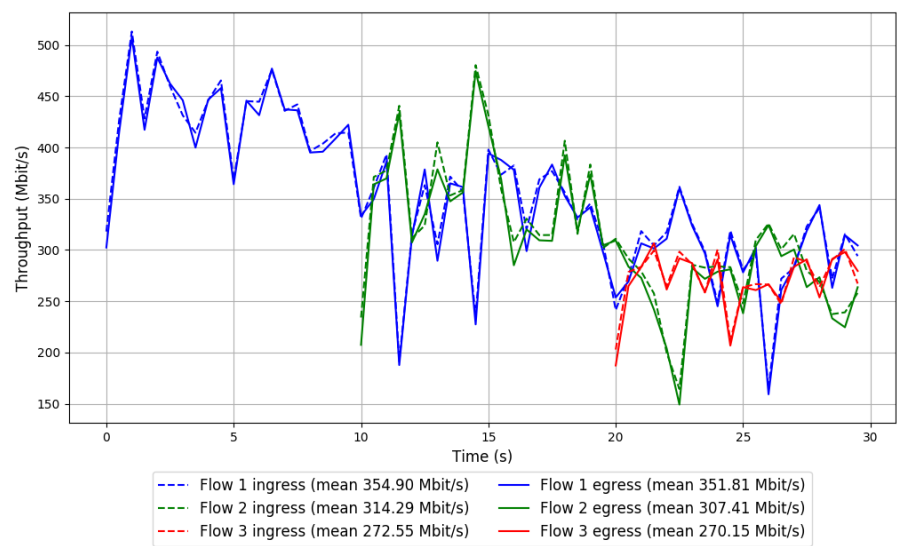
-- Flow 3:

Average throughput: 270.15 Mbit/s

95th percentile per-packet one-way delay: 23.080 ms

Loss rate: 1.01%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 04:51:06 +0000

End at: Sat, 29 Jul 2017 04:51:36 +0000

Local clock offset: 0.086 ms

Remote clock offset: -2.203 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:20:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 642.45 Mbit/s

95th percentile per-packet one-way delay: 23.297 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 346.94 Mbit/s

95th percentile per-packet one-way delay: 24.023 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 310.28 Mbit/s

95th percentile per-packet one-way delay: 23.058 ms

Loss rate: 0.86%

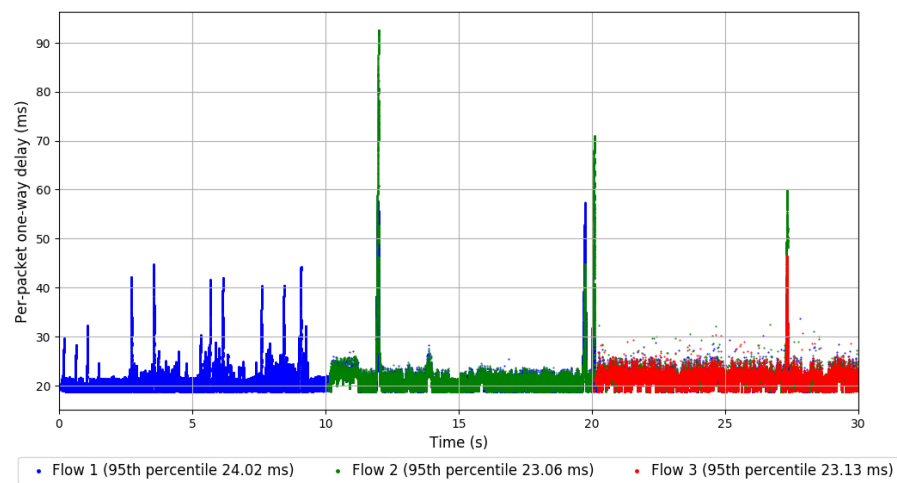
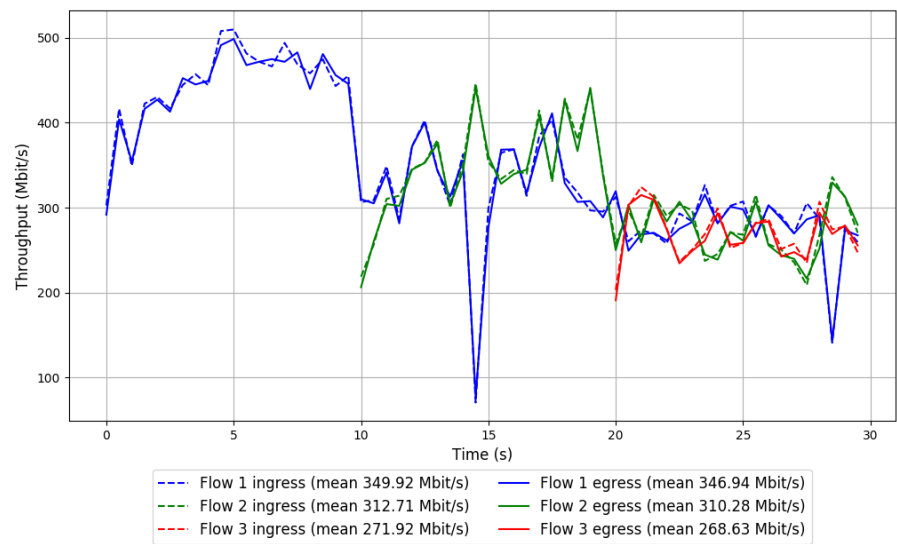
-- Flow 3:

Average throughput: 268.63 Mbit/s

95th percentile per-packet one-way delay: 23.127 ms

Loss rate: 1.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:11:50 +0000

End at: Sat, 29 Jul 2017 05:12:20 +0000

Local clock offset: 0.332 ms

Remote clock offset: -1.839 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:21:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 647.76 Mbit/s

95th percentile per-packet one-way delay: 23.035 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 350.40 Mbit/s

95th percentile per-packet one-way delay: 23.244 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 305.39 Mbit/s

95th percentile per-packet one-way delay: 22.740 ms

Loss rate: 1.28%

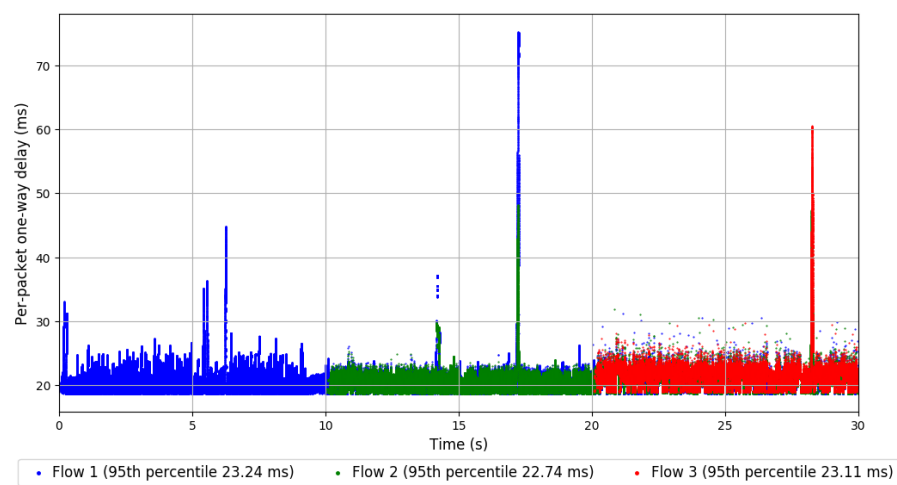
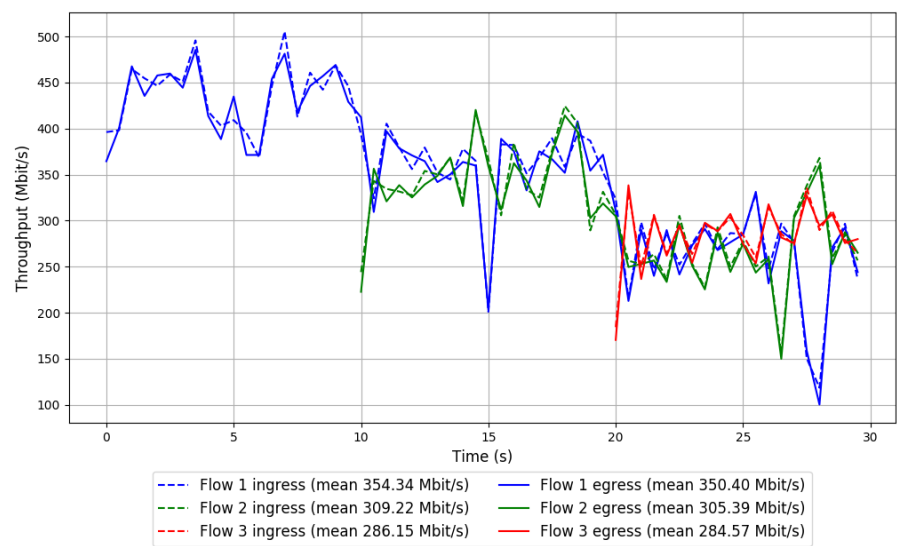
-- Flow 3:

Average throughput: 284.57 Mbit/s

95th percentile per-packet one-way delay: 23.112 ms

Loss rate: 0.66%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:32:37 +0000

End at: Sat, 29 Jul 2017 05:33:07 +0000

Local clock offset: 0.646 ms

Remote clock offset: -1.248 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:21:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 640.32 Mbit/s

95th percentile per-packet one-way delay: 23.268 ms

Loss rate: 1.83%

-- Flow 1:

Average throughput: 364.16 Mbit/s

95th percentile per-packet one-way delay: 23.402 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 278.37 Mbit/s

95th percentile per-packet one-way delay: 23.106 ms

Loss rate: 1.96%

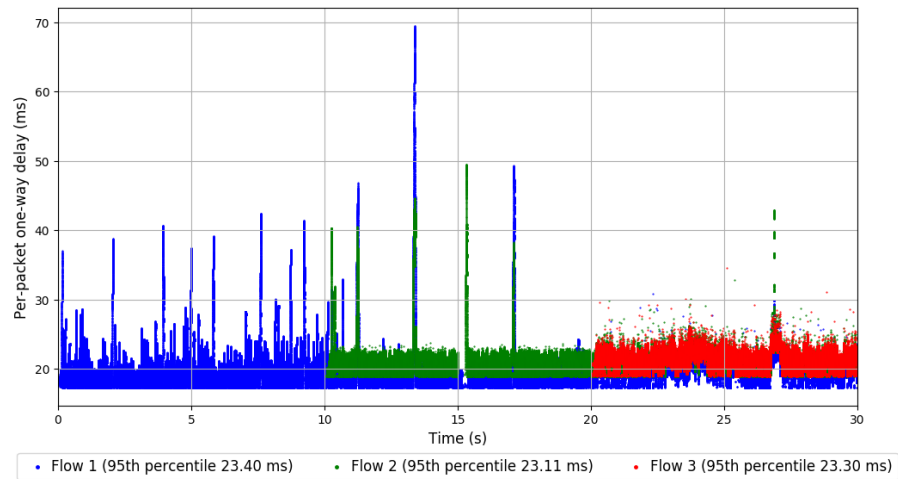
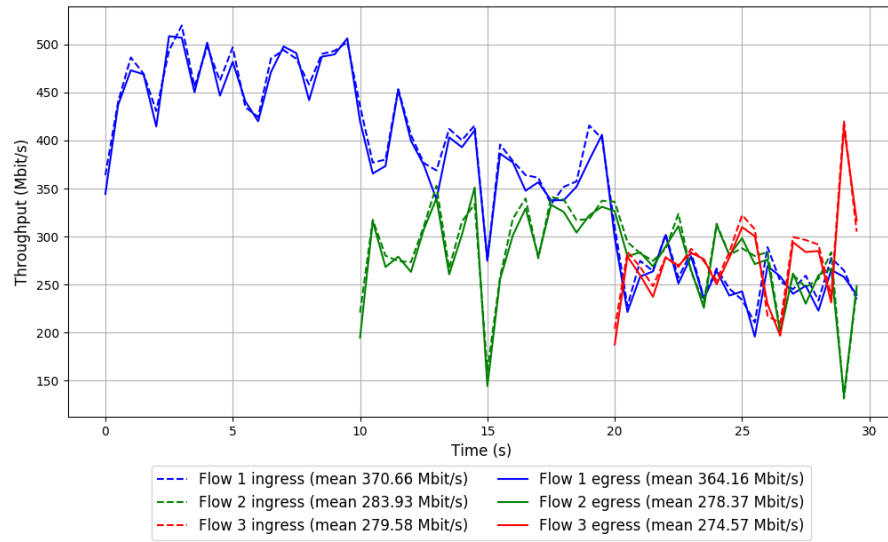
-- Flow 3:

Average throughput: 274.57 Mbit/s

95th percentile per-packet one-way delay: 23.295 ms

Loss rate: 1.79%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:53:24 +0000

End at: Sat, 29 Jul 2017 05:53:54 +0000

Local clock offset: 1.009 ms

Remote clock offset: -1.074 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:22:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 629.90 Mbit/s

95th percentile per-packet one-way delay: 22.927 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 335.99 Mbit/s

95th percentile per-packet one-way delay: 22.934 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 307.54 Mbit/s

95th percentile per-packet one-way delay: 22.924 ms

Loss rate: 1.66%

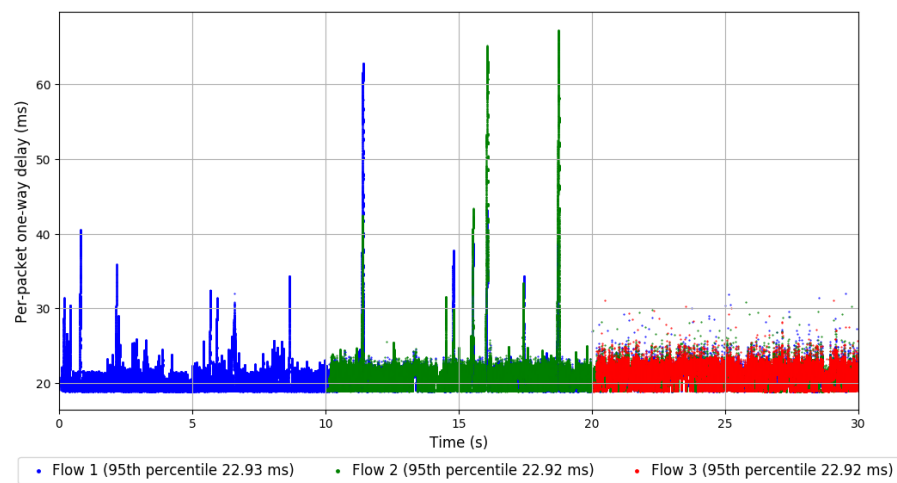
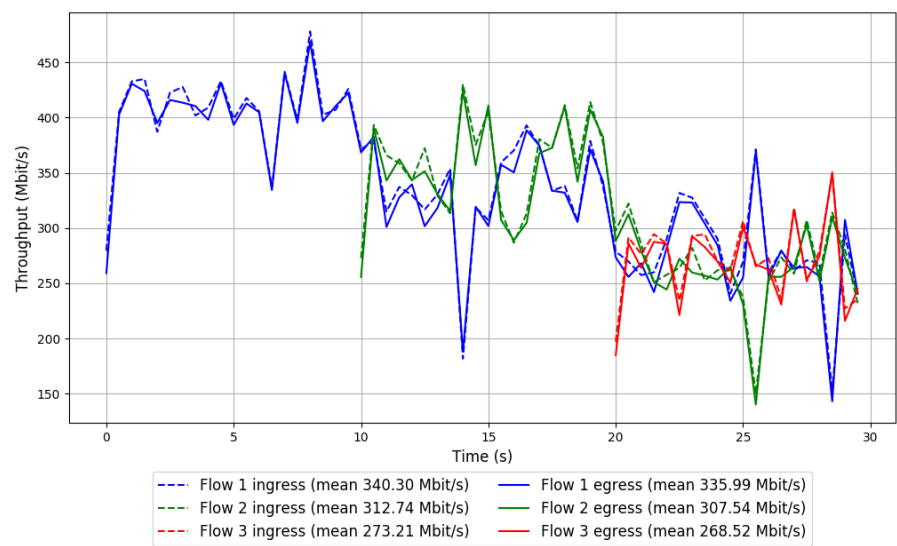
-- Flow 3:

Average throughput: 268.52 Mbit/s

95th percentile per-packet one-way delay: 22.921 ms

Loss rate: 1.78%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:14:09 +0000

End at: Sat, 29 Jul 2017 06:14:39 +0000

Local clock offset: 1.014 ms

Remote clock offset: -1.281 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:22:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 652.37 Mbit/s

95th percentile per-packet one-way delay: 22.870 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 340.05 Mbit/s

95th percentile per-packet one-way delay: 22.861 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 327.81 Mbit/s

95th percentile per-packet one-way delay: 22.766 ms

Loss rate: 1.48%

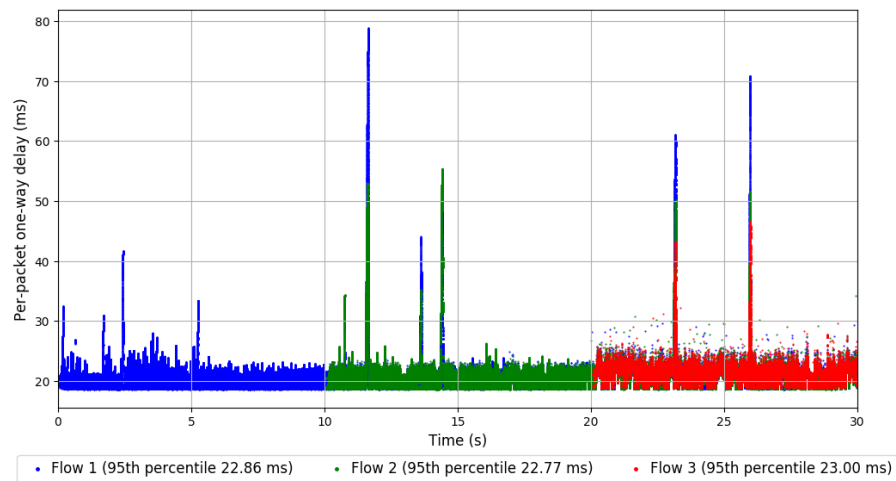
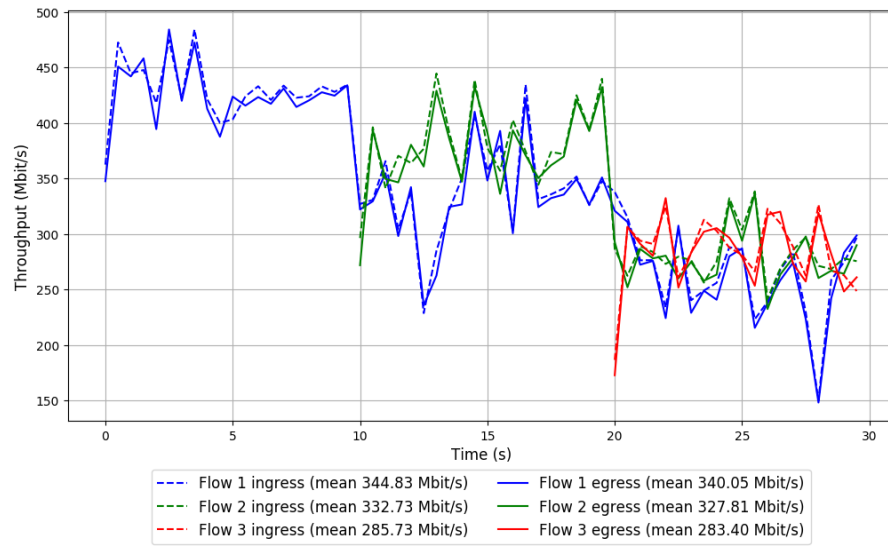
-- Flow 3:

Average throughput: 283.40 Mbit/s

95th percentile per-packet one-way delay: 22.997 ms

Loss rate: 0.93%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:35:00 +0000

End at: Sat, 29 Jul 2017 06:35:30 +0000

Local clock offset: 0.866 ms

Remote clock offset: -1.152 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:23:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 617.00 Mbit/s

95th percentile per-packet one-way delay: 23.838 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 335.19 Mbit/s

95th percentile per-packet one-way delay: 23.454 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 288.17 Mbit/s

95th percentile per-packet one-way delay: 24.040 ms

Loss rate: 1.57%

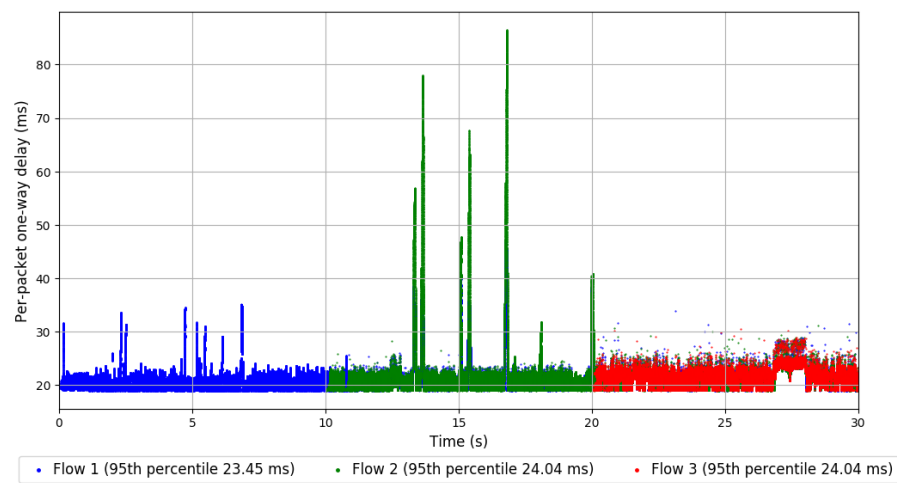
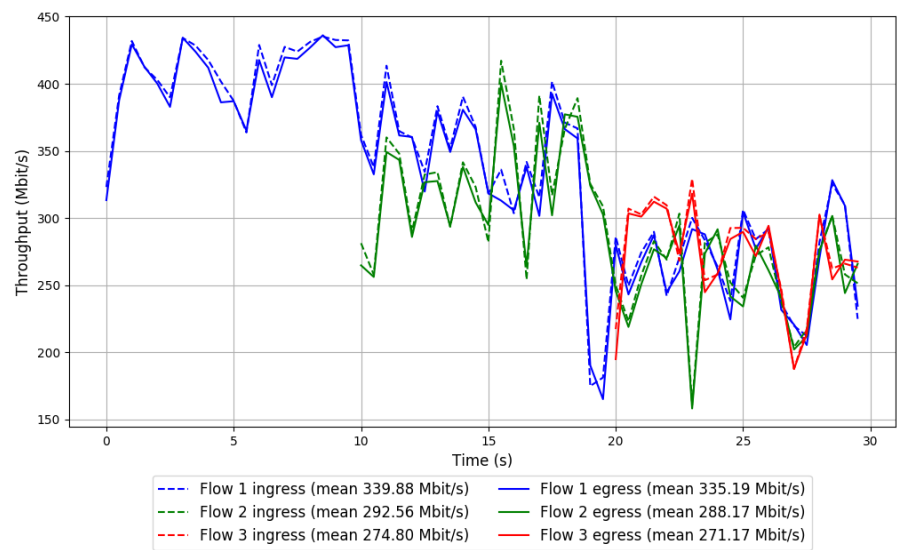
-- Flow 3:

Average throughput: 271.17 Mbit/s

95th percentile per-packet one-way delay: 24.043 ms

Loss rate: 1.32%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:55:38 +0000

End at: Sat, 29 Jul 2017 06:56:08 +0000

Local clock offset: 0.804 ms

Remote clock offset: -1.182 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:24:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 636.55 Mbit/s

95th percentile per-packet one-way delay: 23.994 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 334.97 Mbit/s

95th percentile per-packet one-way delay: 23.778 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 317.54 Mbit/s

95th percentile per-packet one-way delay: 24.230 ms

Loss rate: 0.80%

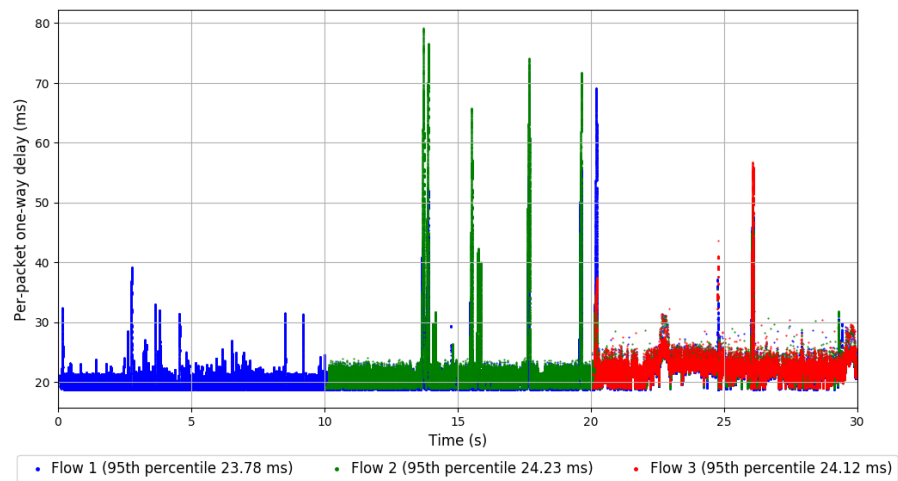
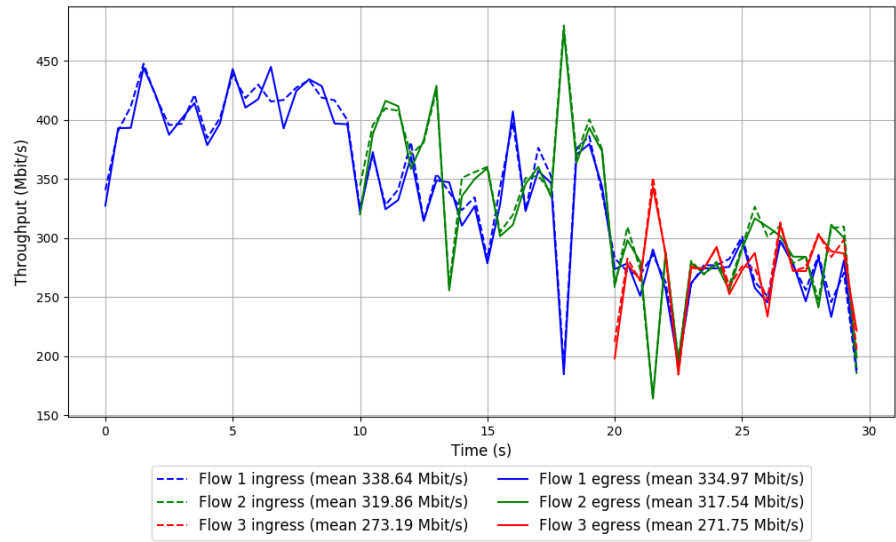
-- Flow 3:

Average throughput: 271.75 Mbit/s

95th percentile per-packet one-way delay: 24.124 ms

Loss rate: 0.59%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 07:16:09 +0000

End at: Sat, 29 Jul 2017 07:16:39 +0000

Local clock offset: 0.779 ms

Remote clock offset: -1.176 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:25:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 615.18 Mbit/s

95th percentile per-packet one-way delay: 22.570 ms

Loss rate: 1.99%

-- Flow 1:

Average throughput: 337.68 Mbit/s

95th percentile per-packet one-way delay: 22.590 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 291.70 Mbit/s

95th percentile per-packet one-way delay: 22.490 ms

Loss rate: 2.67%

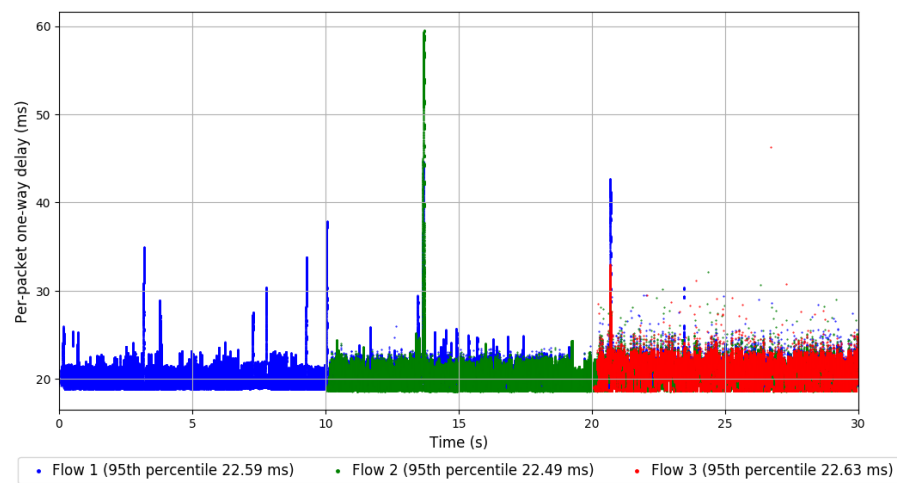
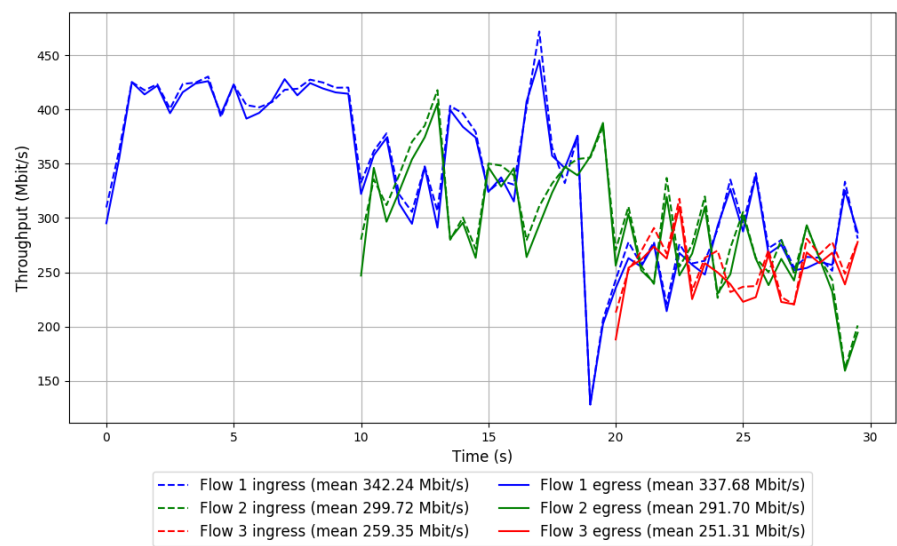
-- Flow 3:

Average throughput: 251.31 Mbit/s

95th percentile per-packet one-way delay: 22.634 ms

Loss rate: 3.06%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 07:36:50 +0000

End at: Sat, 29 Jul 2017 07:37:20 +0000

Local clock offset: 0.752 ms

Remote clock offset: -1.281 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:25:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 610.86 Mbit/s

95th percentile per-packet one-way delay: 23.182 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 324.51 Mbit/s

95th percentile per-packet one-way delay: 23.250 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 298.55 Mbit/s

95th percentile per-packet one-way delay: 23.136 ms

Loss rate: 2.12%

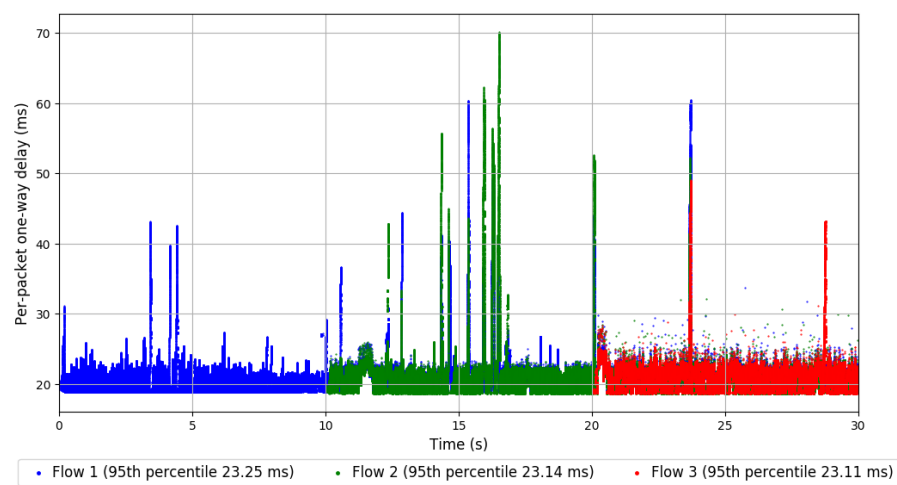
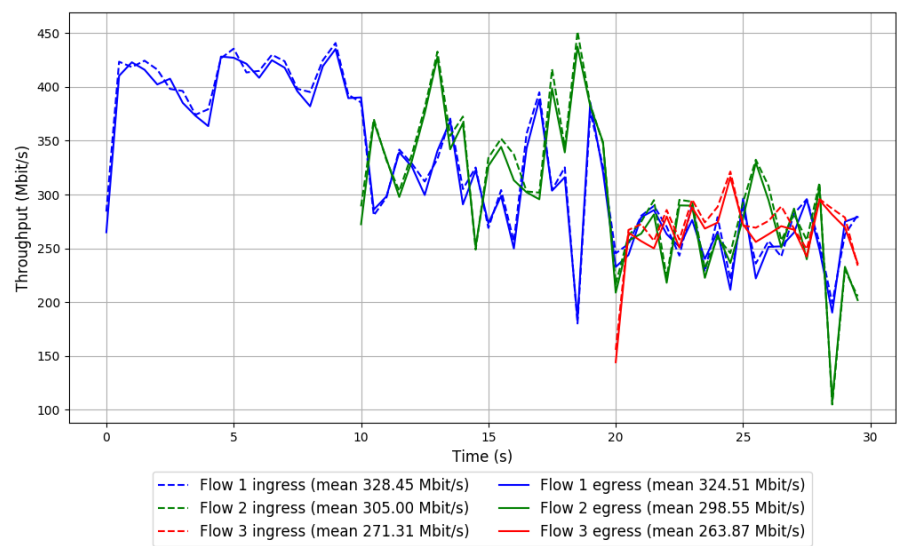
-- Flow 3:

Average throughput: 263.87 Mbit/s

95th percentile per-packet one-way delay: 23.105 ms

Loss rate: 2.73%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 04:19:07 +0000

End at: Sat, 29 Jul 2017 04:19:37 +0000

Local clock offset: -0.431 ms

Remote clock offset: -2.265 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:26:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 544.46 Mbit/s

95th percentile per-packet one-way delay: 20.174 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 332.91 Mbit/s

95th percentile per-packet one-way delay: 18.762 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 227.76 Mbit/s

95th percentile per-packet one-way delay: 20.343 ms

Loss rate: 0.25%

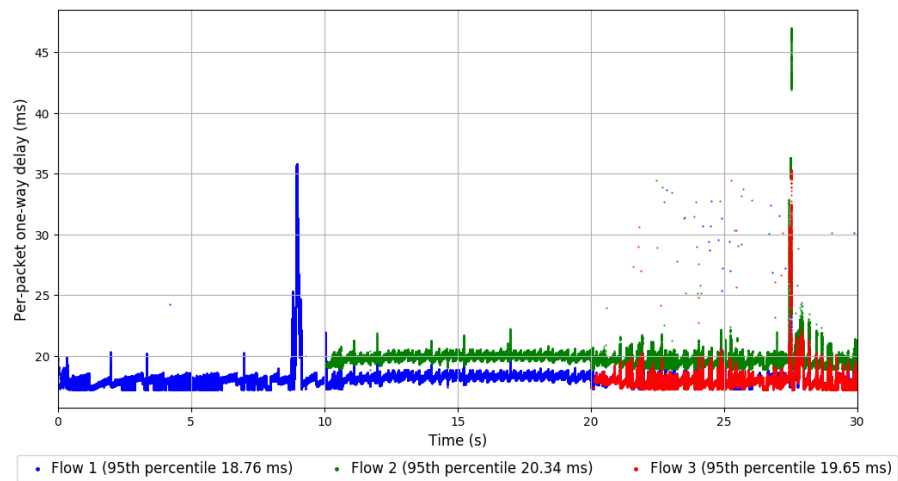
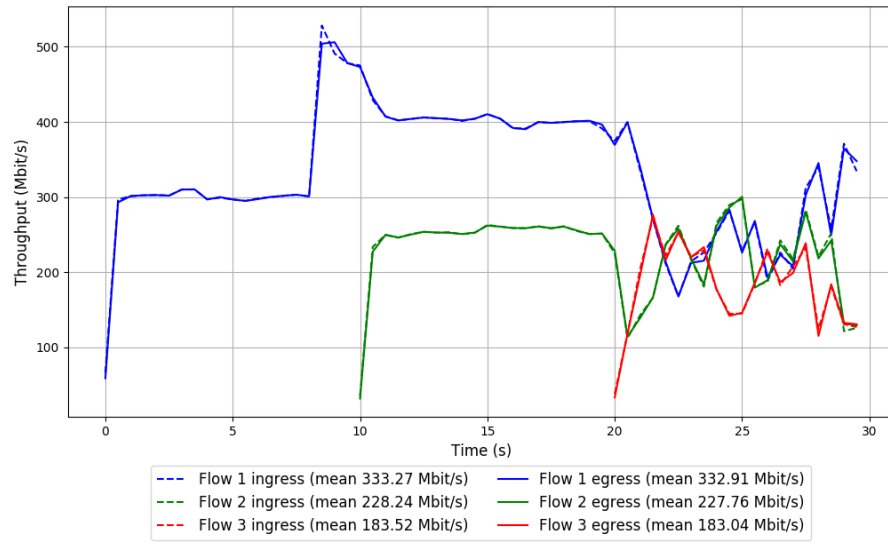
-- Flow 3:

Average throughput: 183.04 Mbit/s

95th percentile per-packet one-way delay: 19.654 ms

Loss rate: 0.34%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 04:39:56 +0000

End at: Sat, 29 Jul 2017 04:40:26 +0000

Local clock offset: -0.107 ms

Remote clock offset: -2.066 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:26:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 595.49 Mbit/s

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

Loss rate: 0.15%

-- Flow 1:

Average throughput: 391.95 Mbit/s

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

Loss rate: 0.12%

-- Flow 2:

Average throughput: 216.54 Mbit/s

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

Loss rate: 0.15%

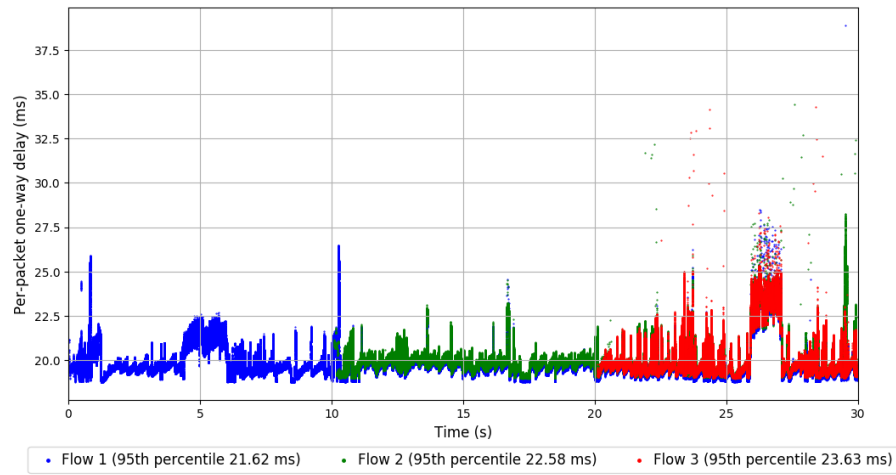
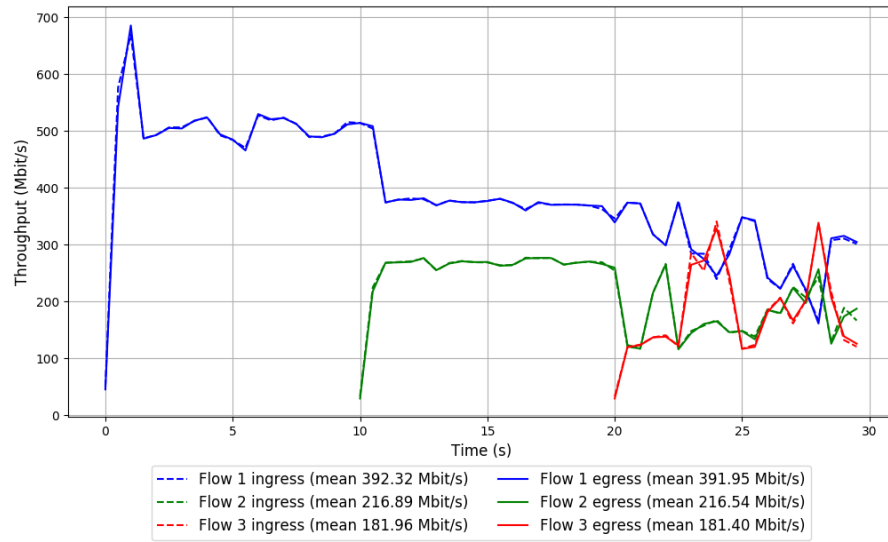
-- Flow 3:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 23.629 ms

Loss rate: 0.31%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:00:44 +0000

End at: Sat, 29 Jul 2017 05:01:14 +0000

Local clock offset: 0.236 ms

Remote clock offset: -2.029 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:27:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 535.11 Mbit/s

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

Loss rate: 0.15%

-- Flow 1:

Average throughput: 356.04 Mbit/s

95th percentile per-packet one-way delay: 21.906 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 202.55 Mbit/s

95th percentile per-packet one-way delay: 22.402 ms

Loss rate: 0.17%

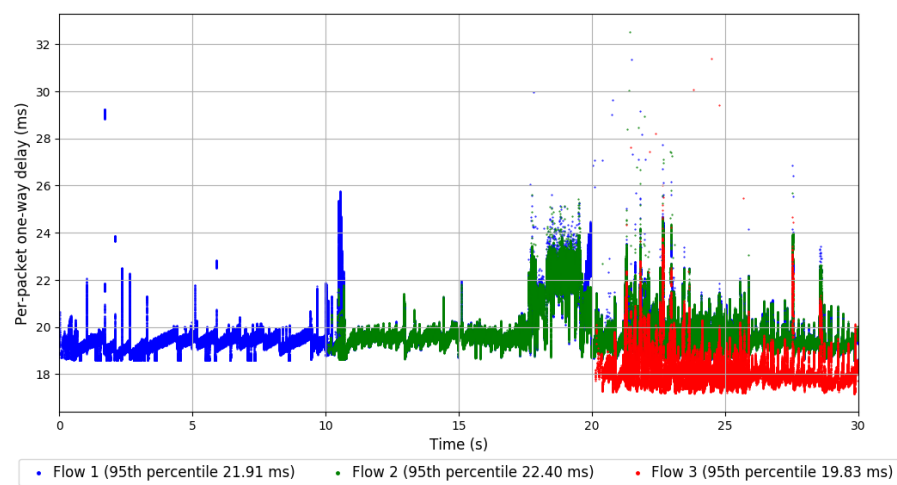
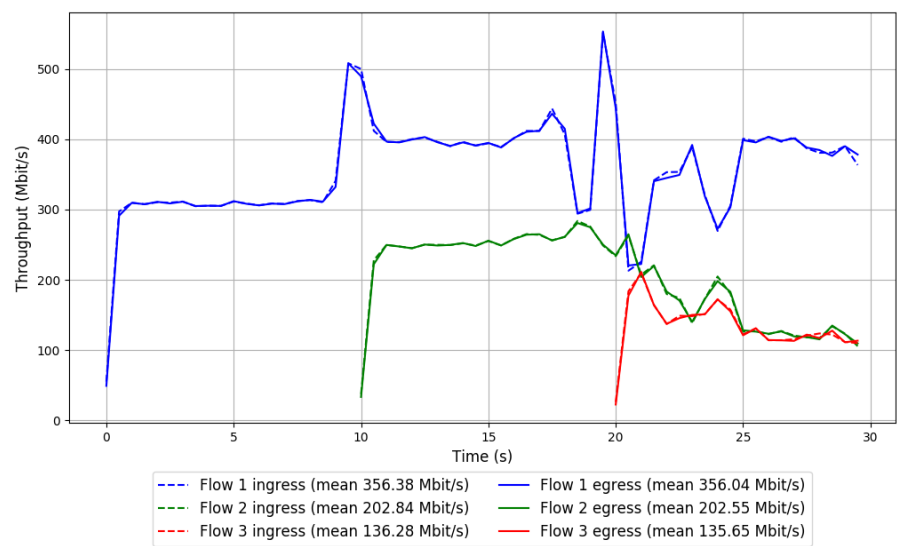
-- Flow 3:

Average throughput: 135.65 Mbit/s

95th percentile per-packet one-way delay: 19.830 ms

Loss rate: 0.46%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:21:31 +0000

End at: Sat, 29 Jul 2017 05:22:01 +0000

Local clock offset: 0.566 ms

Remote clock offset: -1.5 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:27:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 535.86 Mbit/s

95th percentile per-packet one-way delay: 22.320 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 306.10 Mbit/s

95th percentile per-packet one-way delay: 22.578 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 260.09 Mbit/s

95th percentile per-packet one-way delay: 22.211 ms

Loss rate: 0.07%

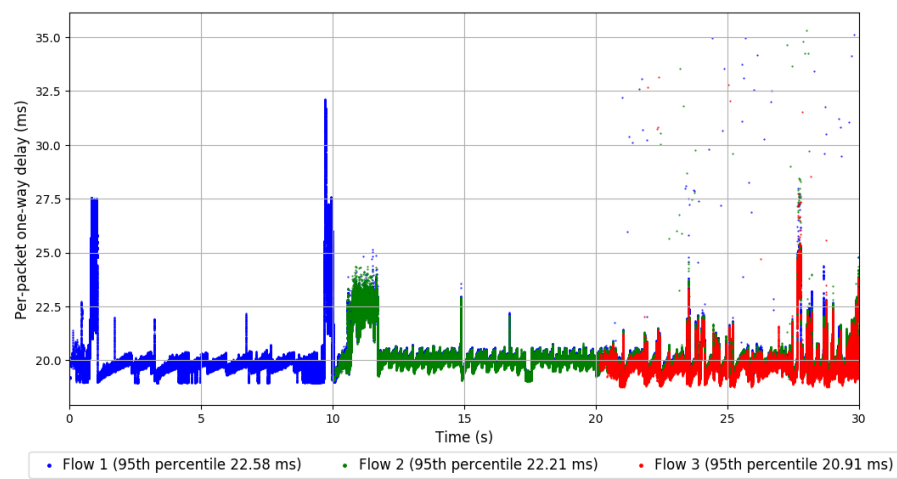
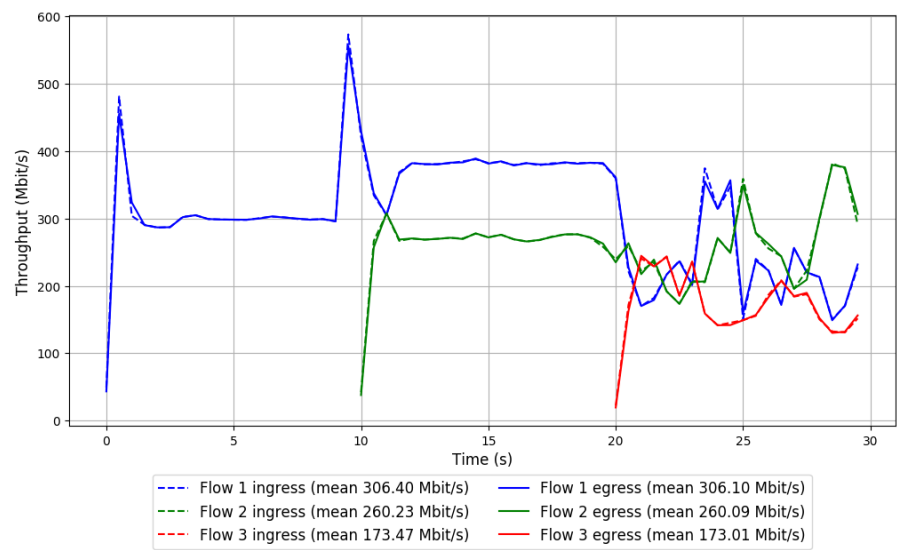
-- Flow 3:

Average throughput: 173.01 Mbit/s

95th percentile per-packet one-way delay: 20.908 ms

Loss rate: 0.23%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:42:14 +0000

End at: Sat, 29 Jul 2017 05:42:44 +0000

Local clock offset: 0.908 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:28:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 569.27 Mbit/s

95th percentile per-packet one-way delay: 20.554 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 300.85 Mbit/s

95th percentile per-packet one-way delay: 20.425 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 316.80 Mbit/s

95th percentile per-packet one-way delay: 20.416 ms

Loss rate: 0.09%

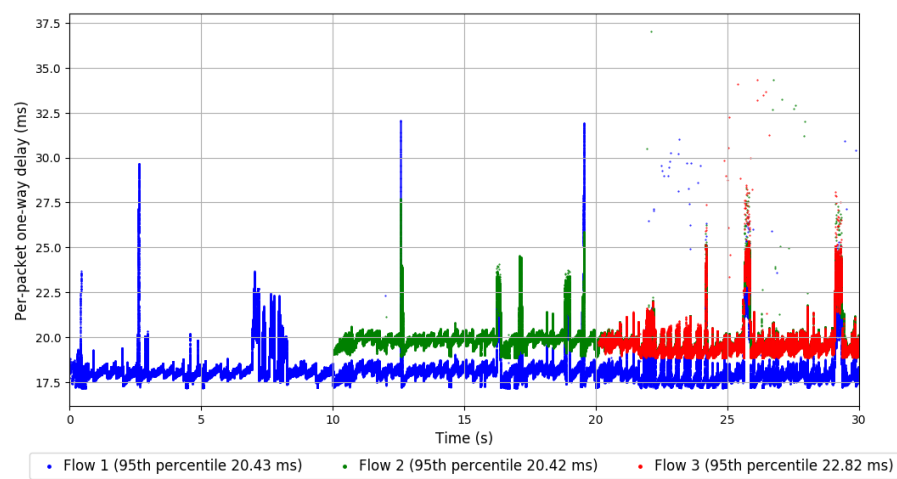
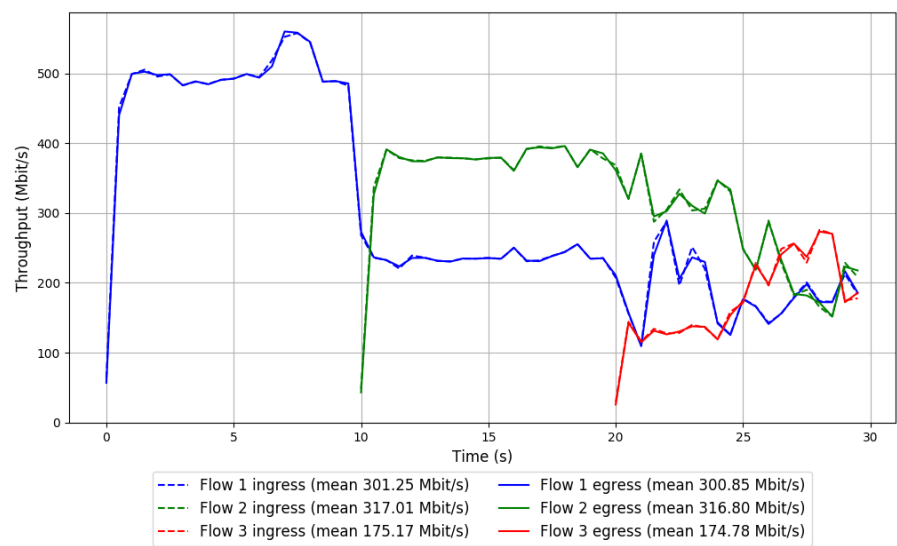
-- Flow 3:

Average throughput: 174.78 Mbit/s

95th percentile per-packet one-way delay: 22.822 ms

Loss rate: 0.28%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:03:02 +0000

End at: Sat, 29 Jul 2017 06:03:32 +0000

Local clock offset: 1.091 ms

Remote clock offset: -1.092 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:29:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 585.82 Mbit/s

95th percentile per-packet one-way delay: 20.240 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 337.88 Mbit/s

95th percentile per-packet one-way delay: 19.277 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 280.98 Mbit/s

95th percentile per-packet one-way delay: 20.448 ms

Loss rate: 0.17%

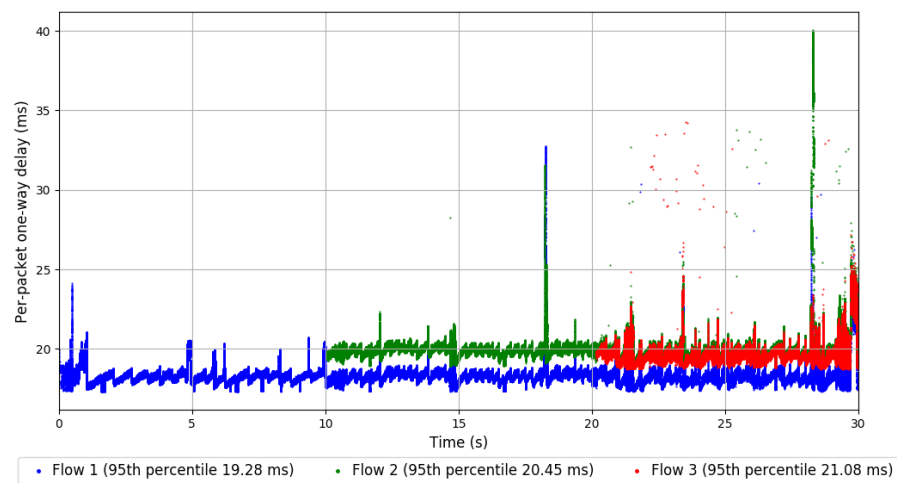
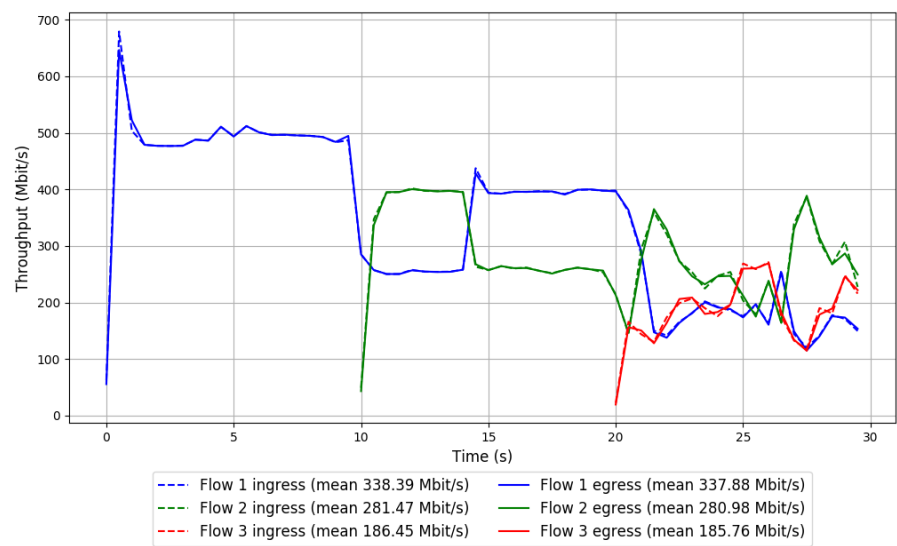
-- Flow 3:

Average throughput: 185.76 Mbit/s

95th percentile per-packet one-way delay: 21.080 ms

Loss rate: 0.42%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:23:47 +0000

End at: Sat, 29 Jul 2017 06:24:17 +0000

Local clock offset: 0.991 ms

Remote clock offset: -1.223 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:29:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 563.12 Mbit/s

95th percentile per-packet one-way delay: 22.650 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 342.63 Mbit/s

95th percentile per-packet one-way delay: 24.065 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 258.23 Mbit/s

95th percentile per-packet one-way delay: 21.286 ms

Loss rate: 0.24%

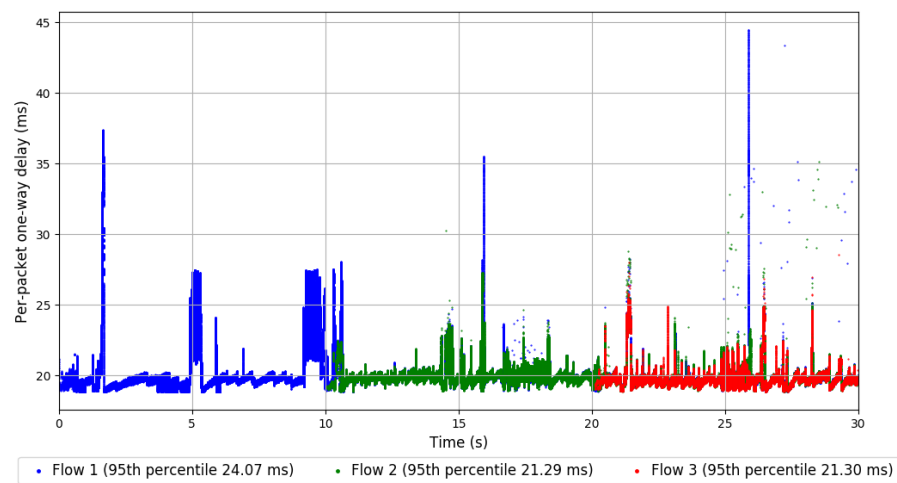
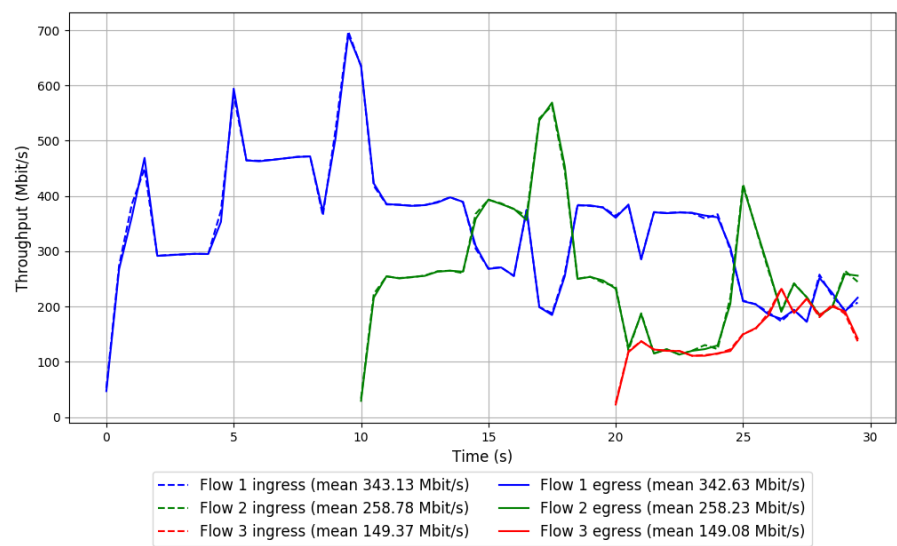
-- Flow 3:

Average throughput: 149.08 Mbit/s

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

Loss rate: 0.18%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:44:34 +0000

End at: Sat, 29 Jul 2017 06:45:04 +0000

Local clock offset: 0.841 ms

Remote clock offset: -1.193 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:30:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.90 Mbit/s

95th percentile per-packet one-way delay: 22.795 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 269.34 Mbit/s

95th percentile per-packet one-way delay: 22.281 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 283.36 Mbit/s

95th percentile per-packet one-way delay: 22.993 ms

Loss rate: 0.10%

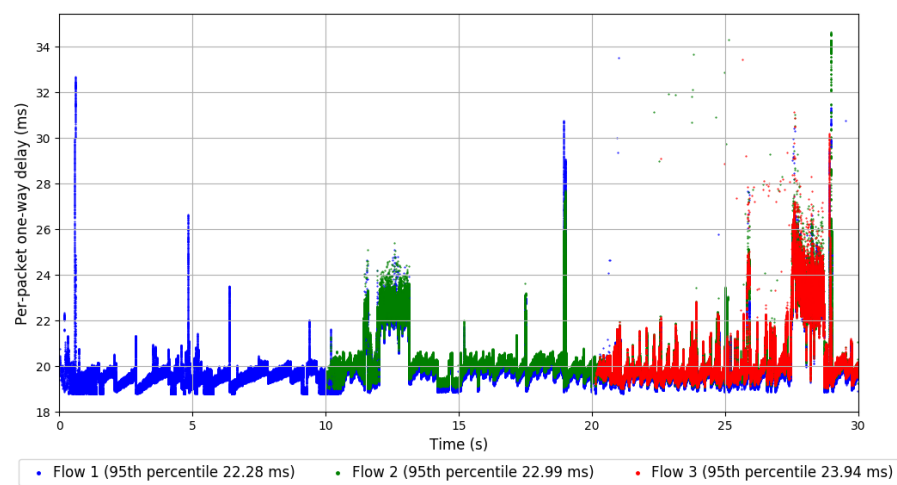
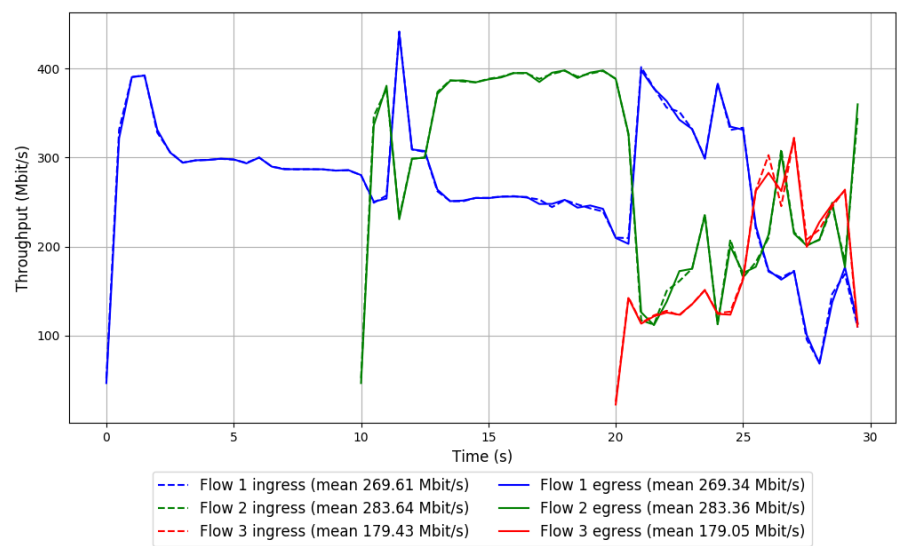
-- Flow 3:

Average throughput: 179.05 Mbit/s

95th percentile per-packet one-way delay: 23.937 ms

Loss rate: 0.29%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:05:10 +0000

End at: Sat, 29 Jul 2017 07:05:40 +0000

Local clock offset: 0.842 ms

Remote clock offset: -1.115 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:30:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 532.17 Mbit/s

95th percentile per-packet one-way delay: 22.398 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 291.90 Mbit/s

95th percentile per-packet one-way delay: 22.567 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 256.69 Mbit/s

95th percentile per-packet one-way delay: 22.426 ms

Loss rate: 0.11%

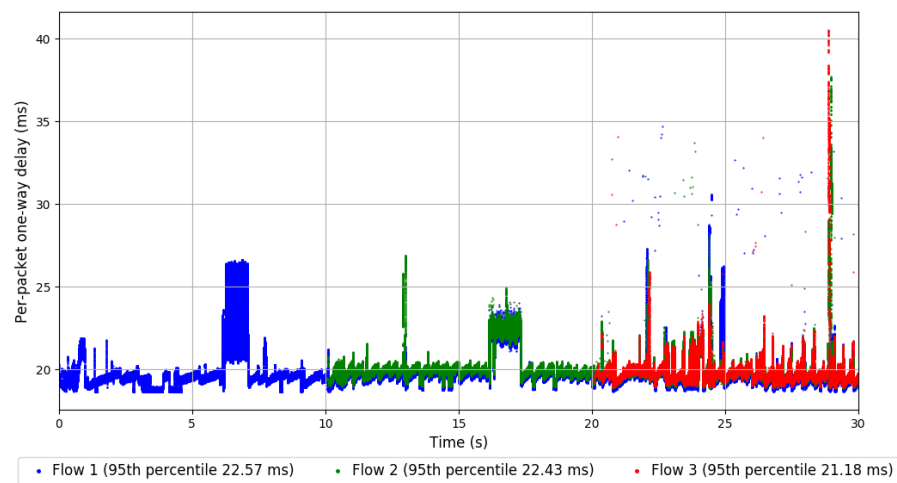
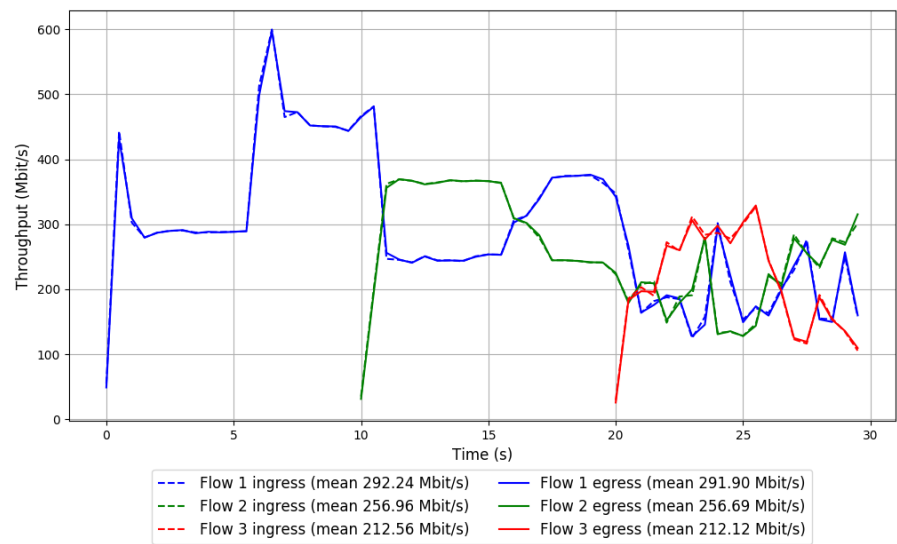
-- Flow 3:

Average throughput: 212.12 Mbit/s

95th percentile per-packet one-way delay: 21.183 ms

Loss rate: 0.21%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:25:45 +0000

End at: Sat, 29 Jul 2017 07:26:15 +0000

Local clock offset: 0.764 ms

Remote clock offset: -1.323 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.24 Mbit/s

95th percentile per-packet one-way delay: 22.978 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 326.60 Mbit/s

95th percentile per-packet one-way delay: 23.092 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 213.03 Mbit/s

95th percentile per-packet one-way delay: 22.863 ms

Loss rate: 0.16%

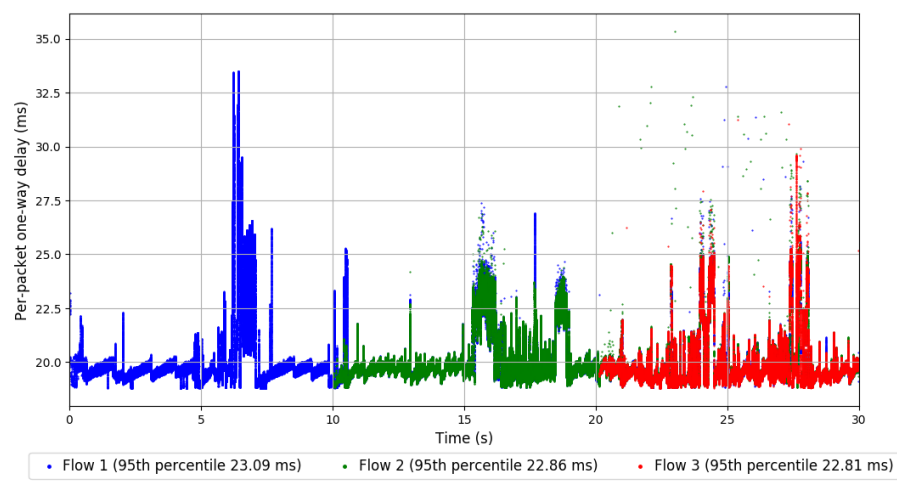
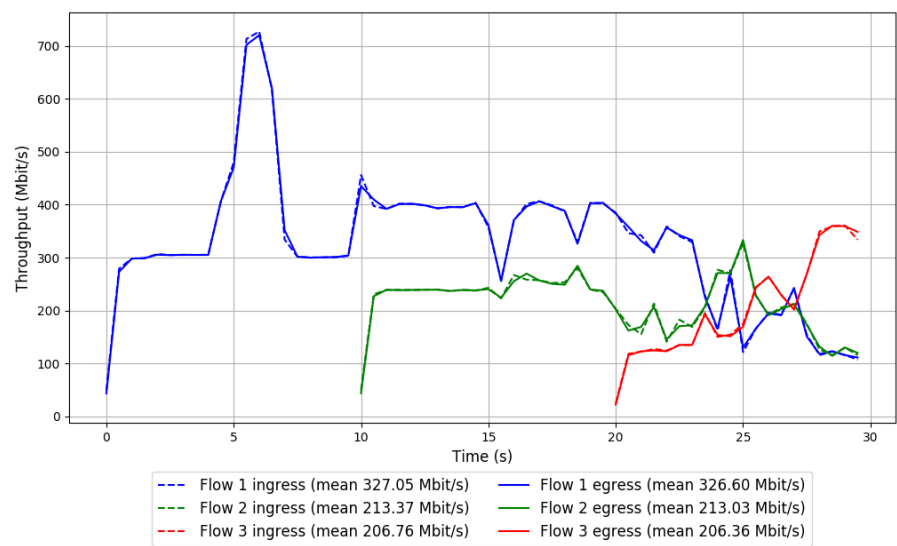
-- Flow 3:

Average throughput: 206.36 Mbit/s

95th percentile per-packet one-way delay: 22.812 ms

Loss rate: 0.19%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 29 Jul 2017 04:27:36 +0000

End at: Sat, 29 Jul 2017 04:28:06 +0000

Local clock offset: -0.364 ms

Remote clock offset: -1.998 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.81 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.13 Mbit/s

95th percentile per-packet one-way delay: 20.099 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.56 Mbit/s

95th percentile per-packet one-way delay: 18.432 ms

Loss rate: 0.00%

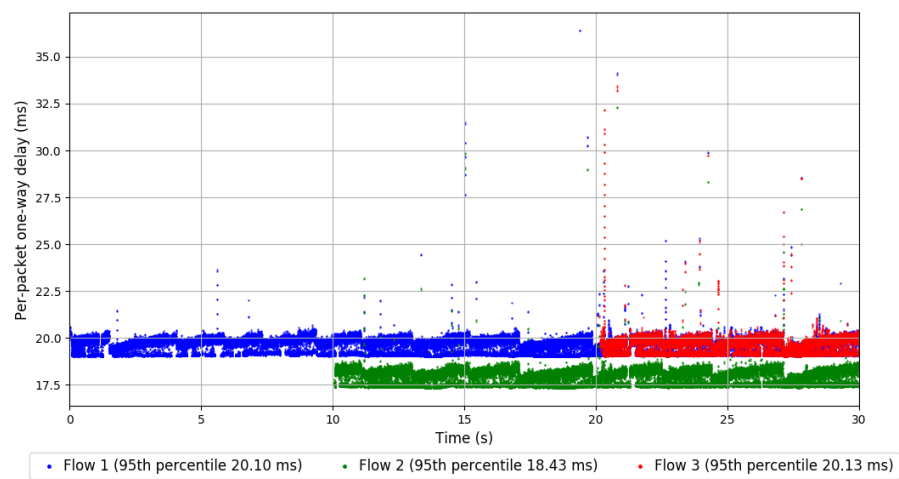
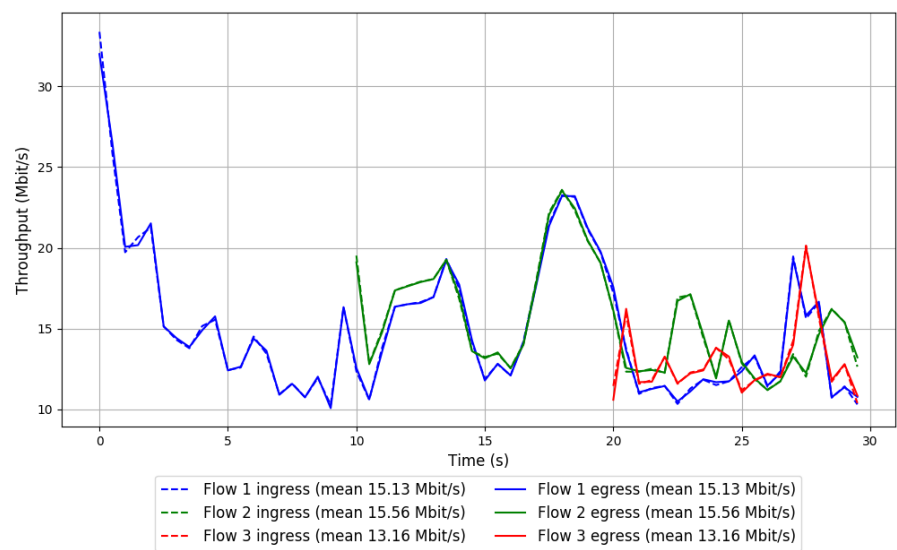
-- Flow 3:

Average throughput: 13.16 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

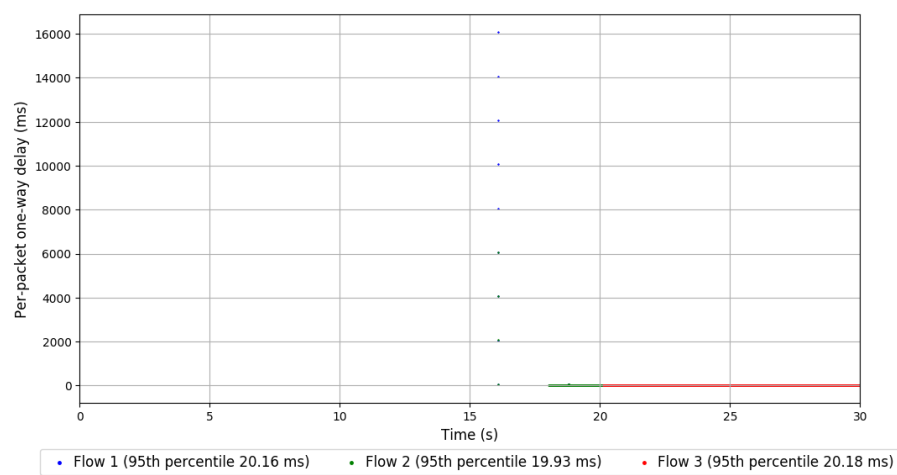
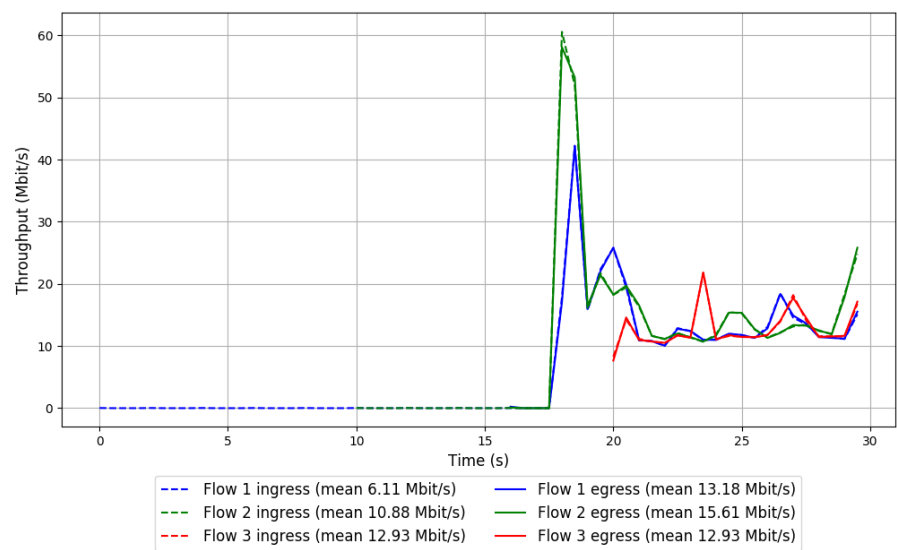
Start at: Sat, 29 Jul 2017 04:48:28 +0000

End at: Sat, 29 Jul 2017 04:48:58 +0000

Local clock offset: -0.051 ms

Remote clock offset: -2.126 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:09:10 +0000

End at: Sat, 29 Jul 2017 05:09:40 +0000

Local clock offset: 0.281 ms

Remote clock offset: -1.752 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.81 Mbit/s

95th percentile per-packet one-way delay: 19.423 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 18.431 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 18.442 ms

Loss rate: 0.00%

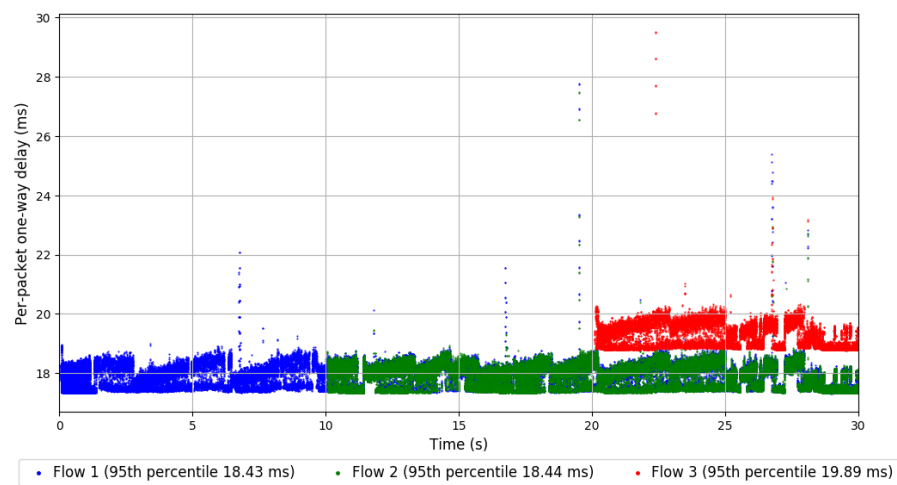
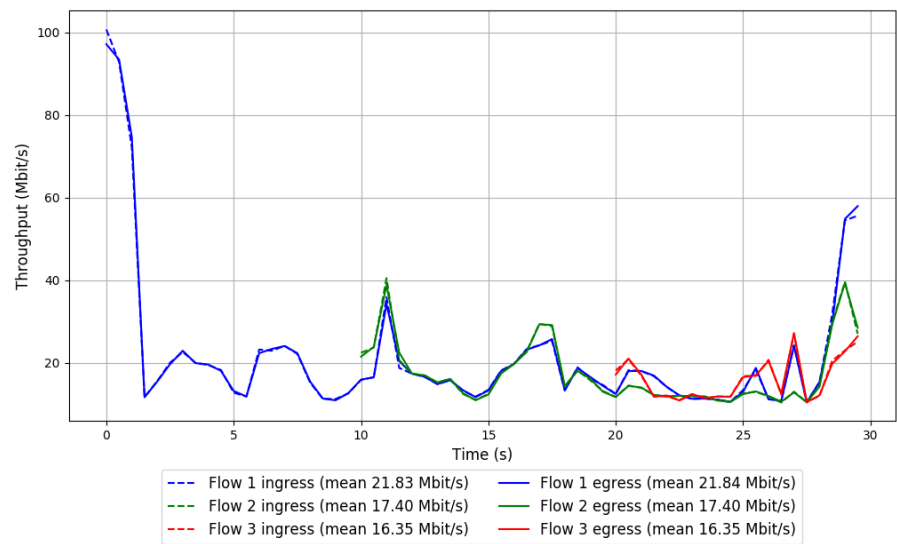
-- Flow 3:

Average throughput: 16.35 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:29:57 +0000

End at: Sat, 29 Jul 2017 05:30:27 +0000

Local clock offset: 0.605 ms

Remote clock offset: -1.274 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 20.014 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.93 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.55 Mbit/s

95th percentile per-packet one-way delay: 20.063 ms

Loss rate: 0.00%

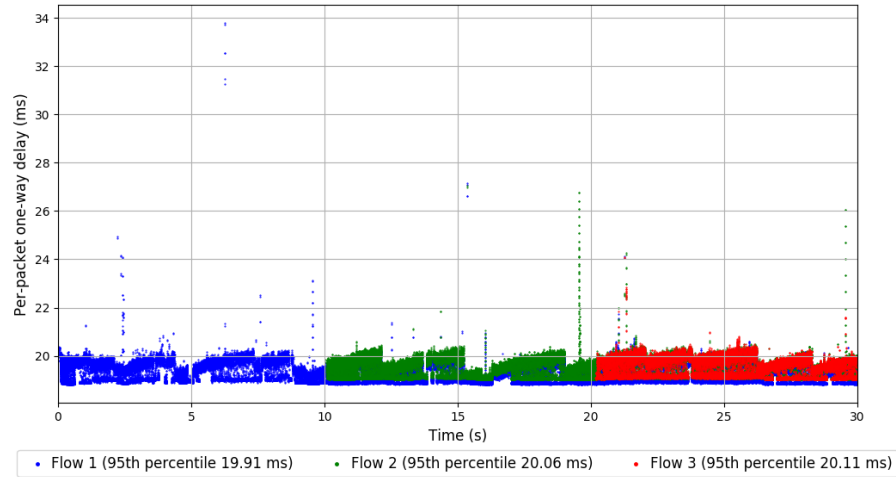
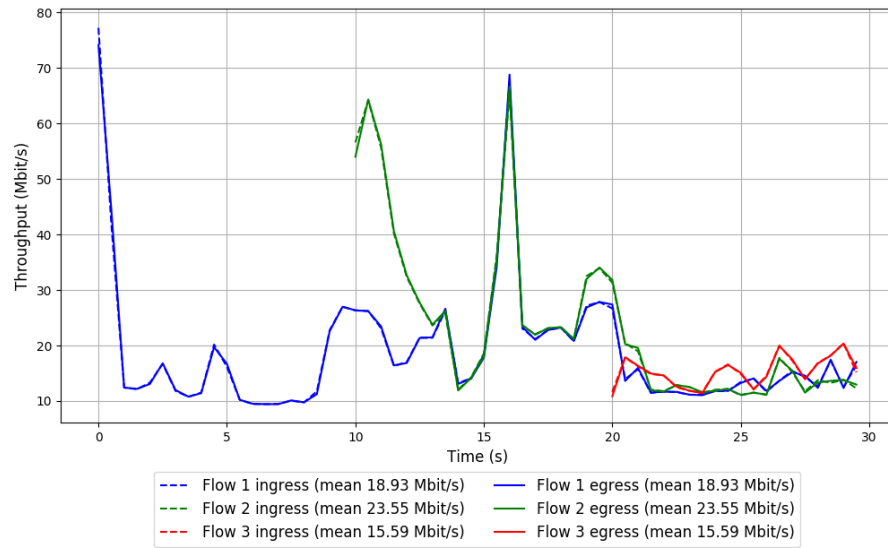
-- Flow 3:

Average throughput: 15.59 Mbit/s

95th percentile per-packet one-way delay: 20.115 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:50:43 +0000

End at: Sat, 29 Jul 2017 05:51:13 +0000

Local clock offset: 0.987 ms

Remote clock offset: -1.173 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 19.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.92 Mbit/s

95th percentile per-packet one-way delay: 19.804 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.44 Mbit/s

95th percentile per-packet one-way delay: 19.806 ms

Loss rate: 0.00%

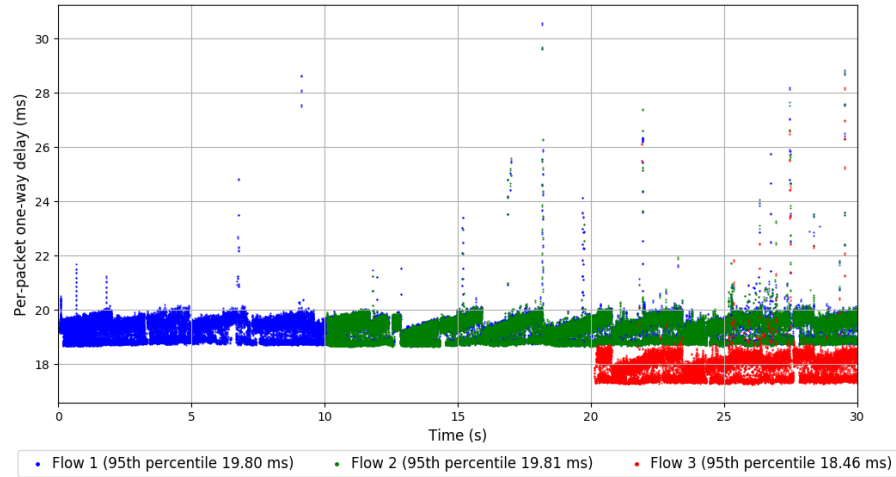
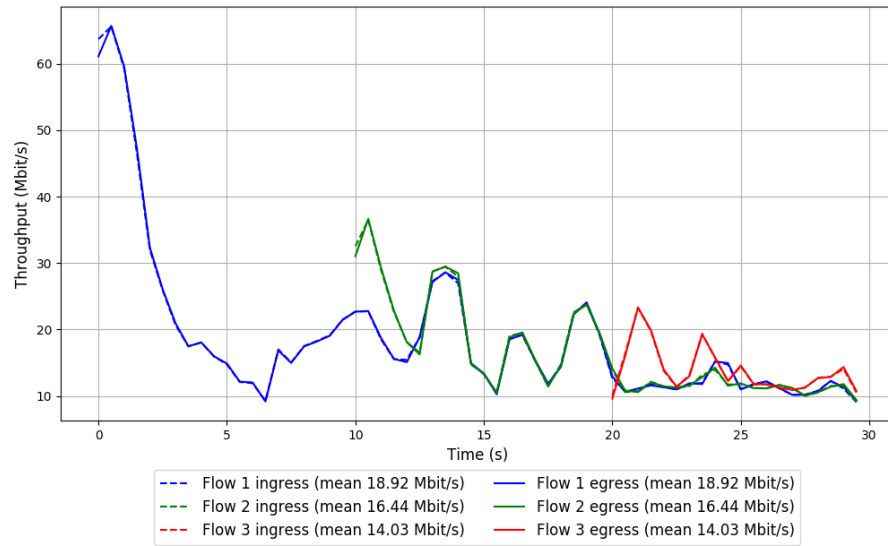
-- Flow 3:

Average throughput: 14.03 Mbit/s

95th percentile per-packet one-way delay: 18.461 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:11:29 +0000

End at: Sat, 29 Jul 2017 06:11:59 +0000

Local clock offset: 0.944 ms

Remote clock offset: -1.207 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.42 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.38 Mbit/s

95th percentile per-packet one-way delay: 19.866 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.41 Mbit/s

95th percentile per-packet one-way delay: 20.096 ms

Loss rate: 0.00%

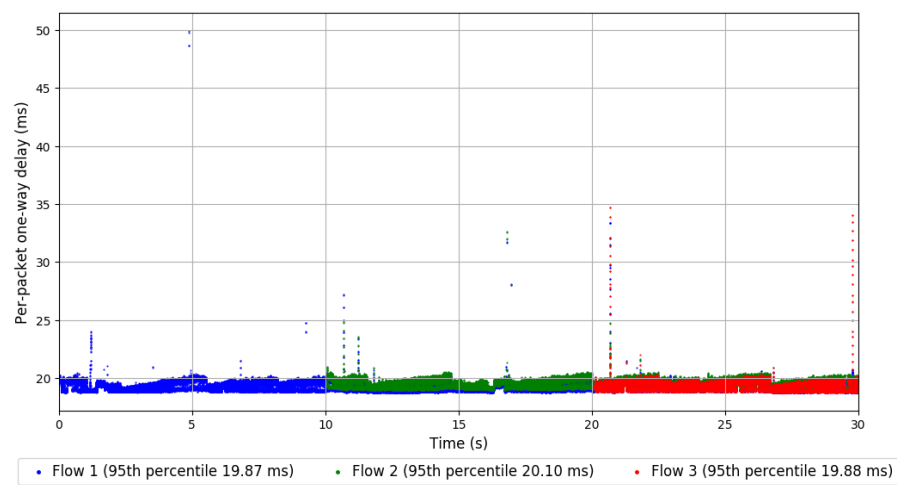
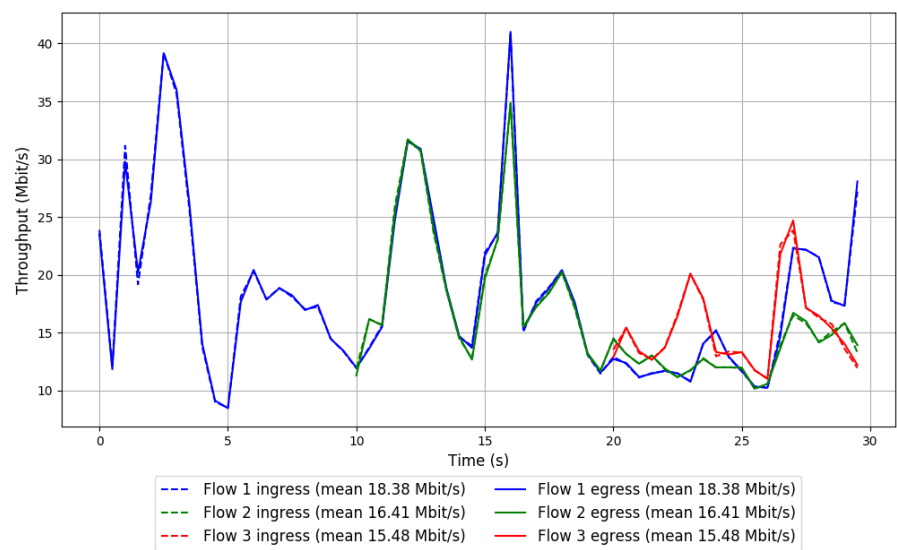
-- Flow 3:

Average throughput: 15.48 Mbit/s

95th percentile per-packet one-way delay: 19.884 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:32:20 +0000

End at: Sat, 29 Jul 2017 06:32:50 +0000

Local clock offset: 0.882 ms

Remote clock offset: -1.107 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 20.045 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 19.03 Mbit/s

95th percentile per-packet one-way delay: 20.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.43 Mbit/s

95th percentile per-packet one-way delay: 20.068 ms

Loss rate: 0.00%

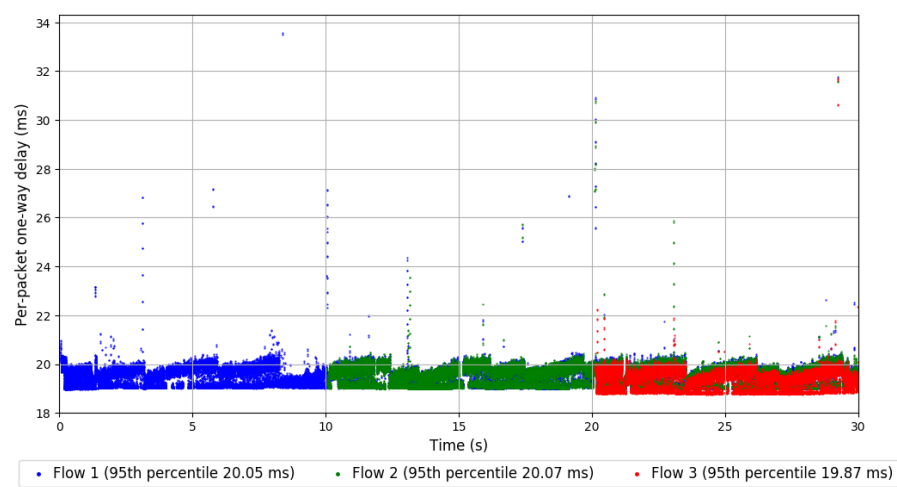
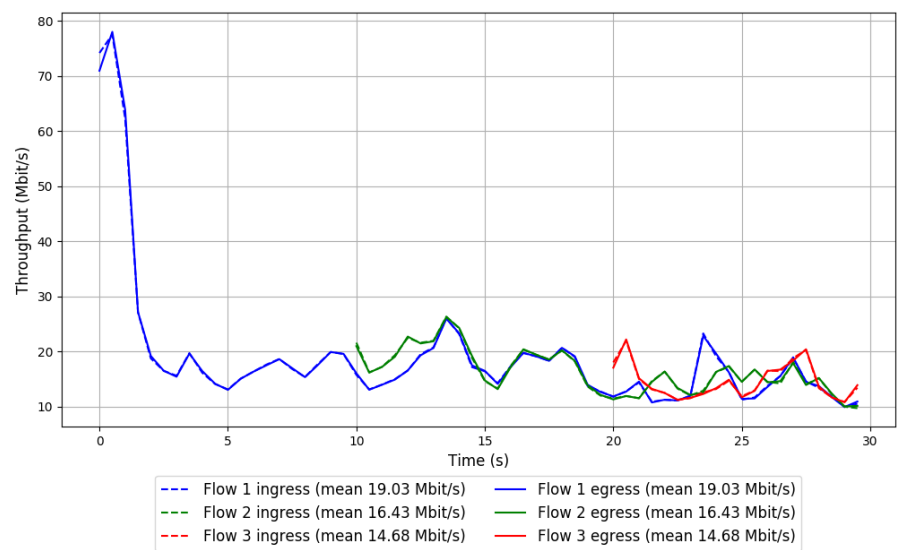
-- Flow 3:

Average throughput: 14.68 Mbit/s

95th percentile per-packet one-way delay: 19.866 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:52:58 +0000

End at: Sat, 29 Jul 2017 06:53:28 +0000

Local clock offset: 0.918 ms

Remote clock offset: -1.229 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:31:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 19.768 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 19.729 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.06 Mbit/s

95th percentile per-packet one-way delay: 19.722 ms

Loss rate: 0.00%

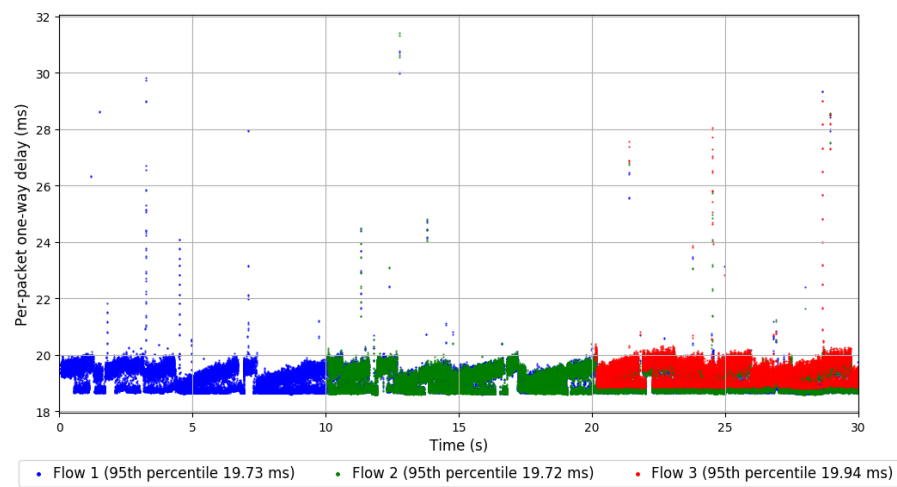
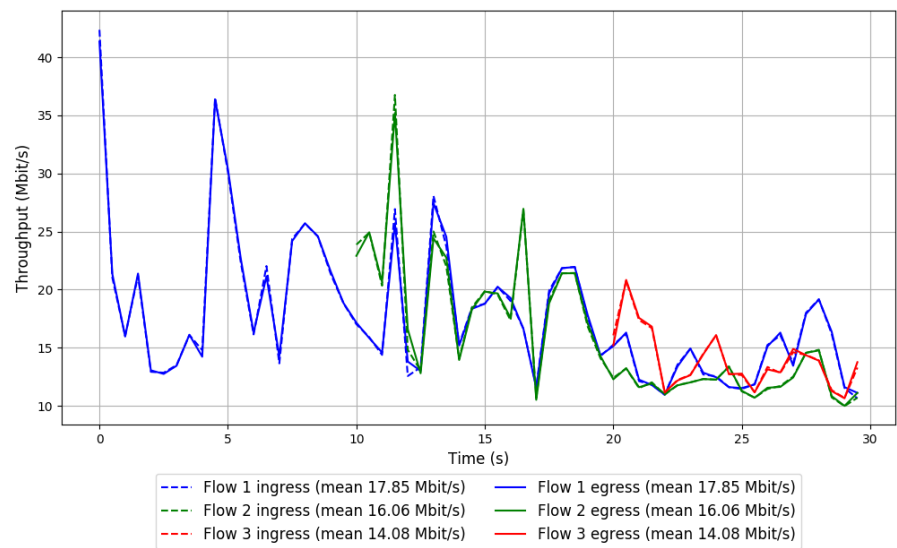
-- Flow 3:

Average throughput: 14.08 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

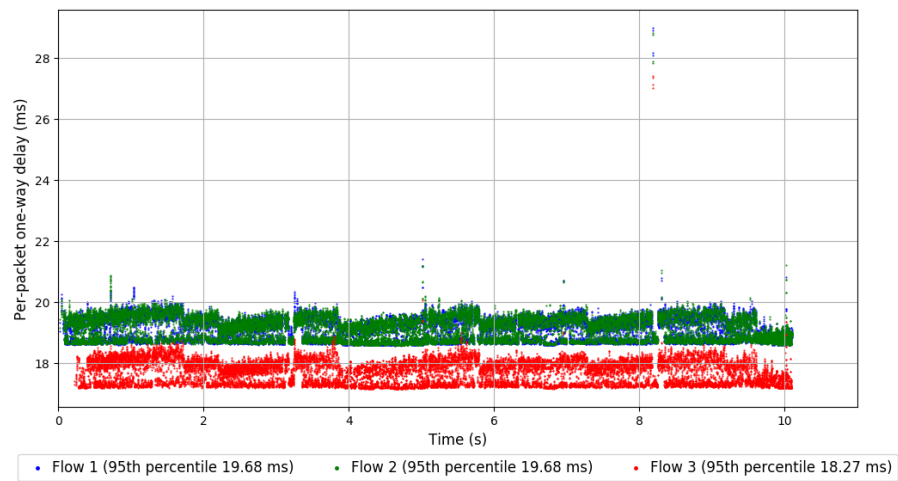
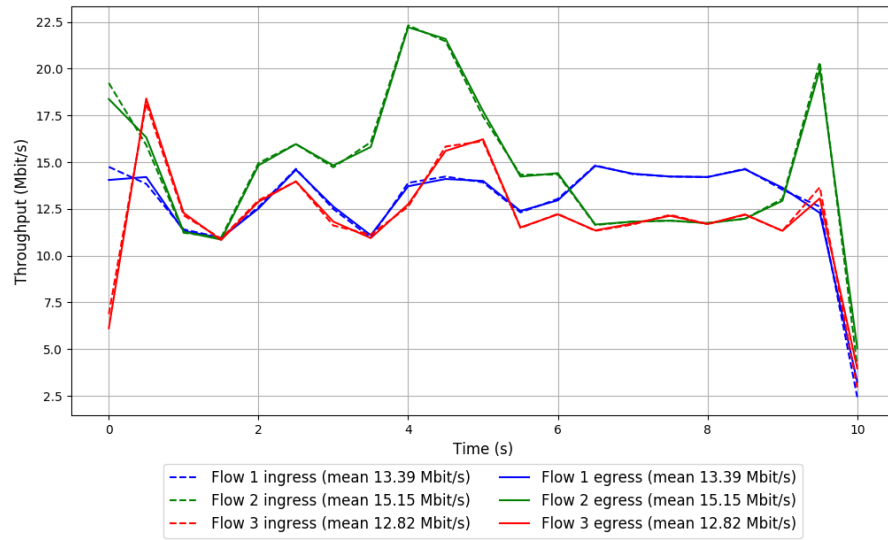
Start at: Sat, 29 Jul 2017 07:13:32 +0000

End at: Sat, 29 Jul 2017 07:14:02 +0000

Local clock offset: 0.823 ms

Remote clock offset: -1.13 ms

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:34:09 +0000

End at: Sat, 29 Jul 2017 07:34:39 +0000

Local clock offset: 0.682 ms

Remote clock offset: -1.401 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:32:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.28 Mbit/s

95th percentile per-packet one-way delay: 19.866 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.11 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.24 Mbit/s

95th percentile per-packet one-way delay: 19.887 ms

Loss rate: 0.00%

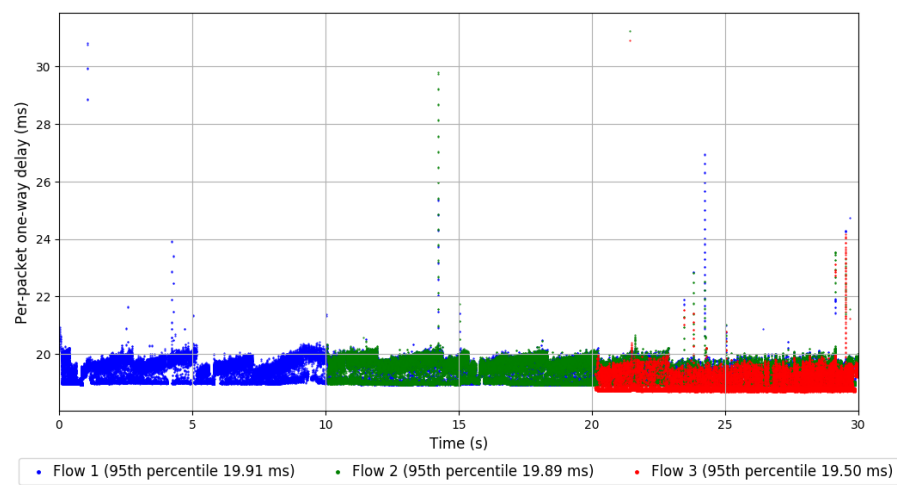
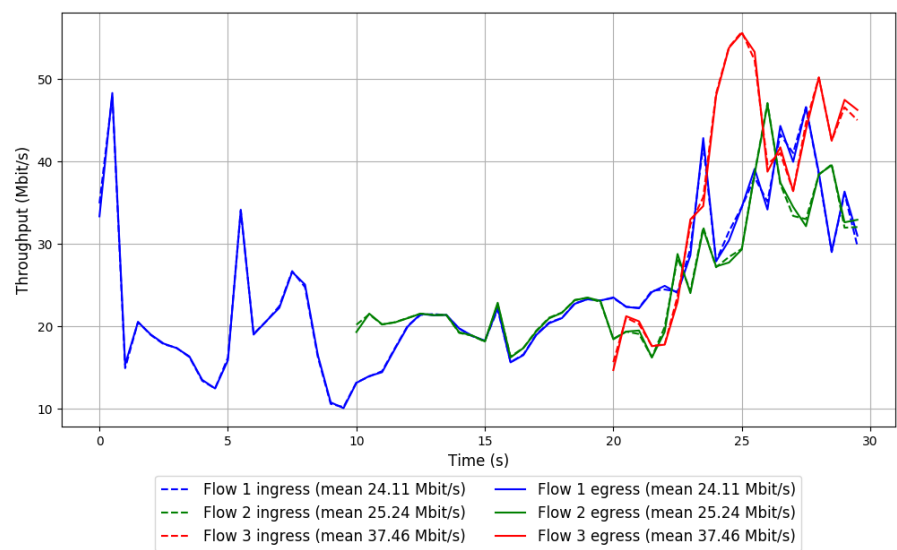
-- Flow 3:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 19.495 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 04:24:50 +0000

End at: Sat, 29 Jul 2017 04:25:20 +0000

Local clock offset: -0.426 ms

Remote clock offset: -2.12 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:32:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 174.99 Mbit/s

95th percentile per-packet one-way delay: 20.021 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 19.908 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 81.40 Mbit/s

95th percentile per-packet one-way delay: 20.131 ms

Loss rate: 0.02%

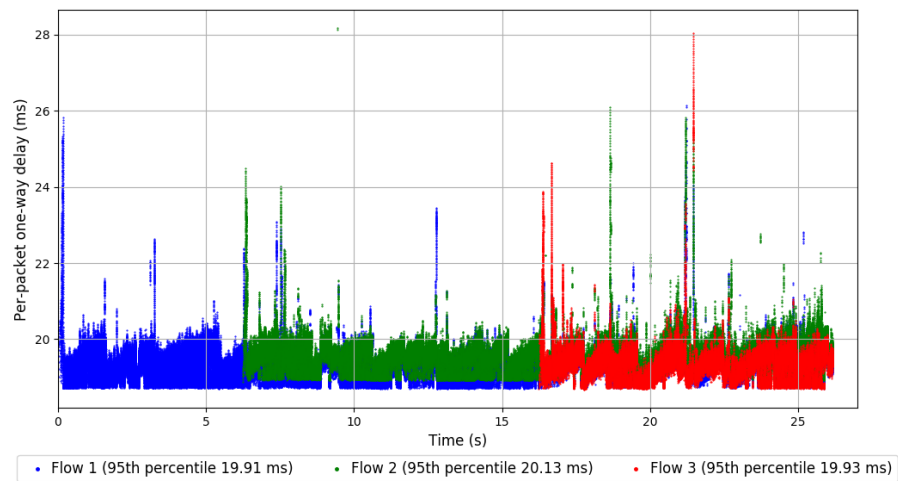
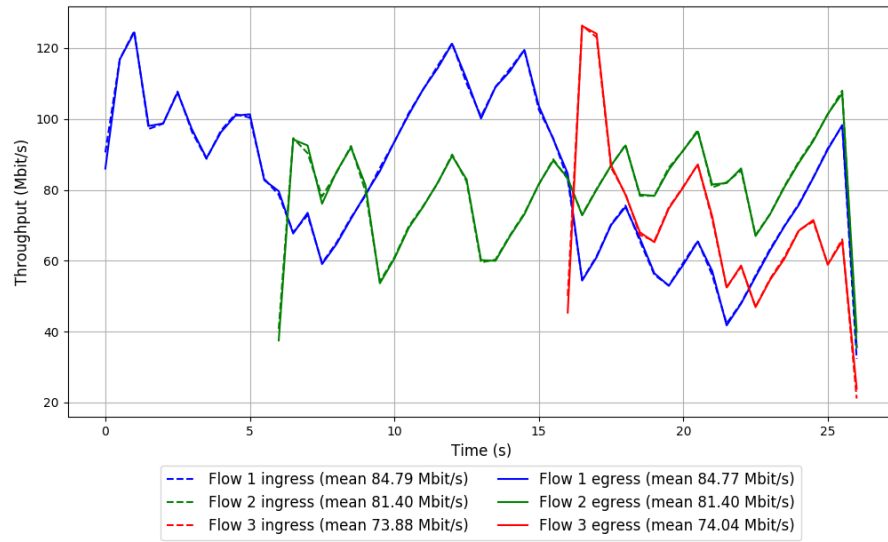
-- Flow 3:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 19.930 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 04:45:42 +0000

End at: Sat, 29 Jul 2017 04:46:12 +0000

Local clock offset: 0.021 ms

Remote clock offset: -2.167 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:32:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.36 Mbit/s

95th percentile per-packet one-way delay: 19.926 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 119.78 Mbit/s

95th percentile per-packet one-way delay: 20.001 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 76.83 Mbit/s

95th percentile per-packet one-way delay: 19.740 ms

Loss rate: 0.03%

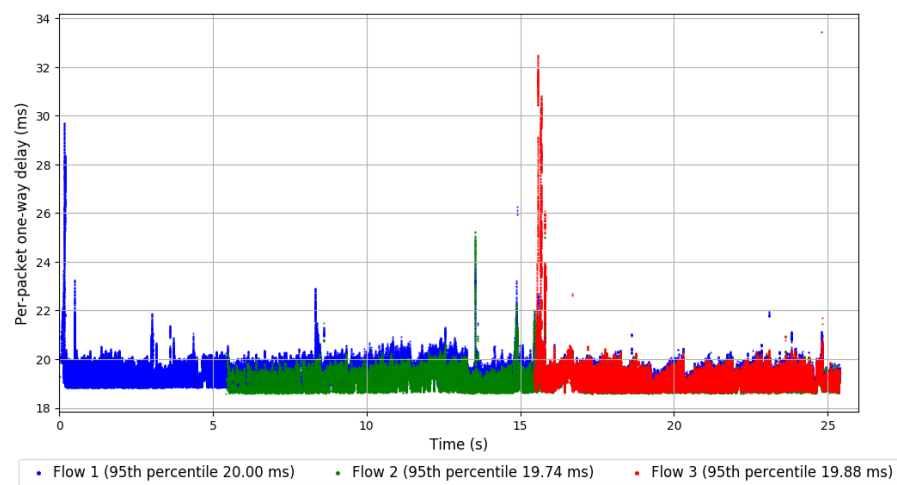
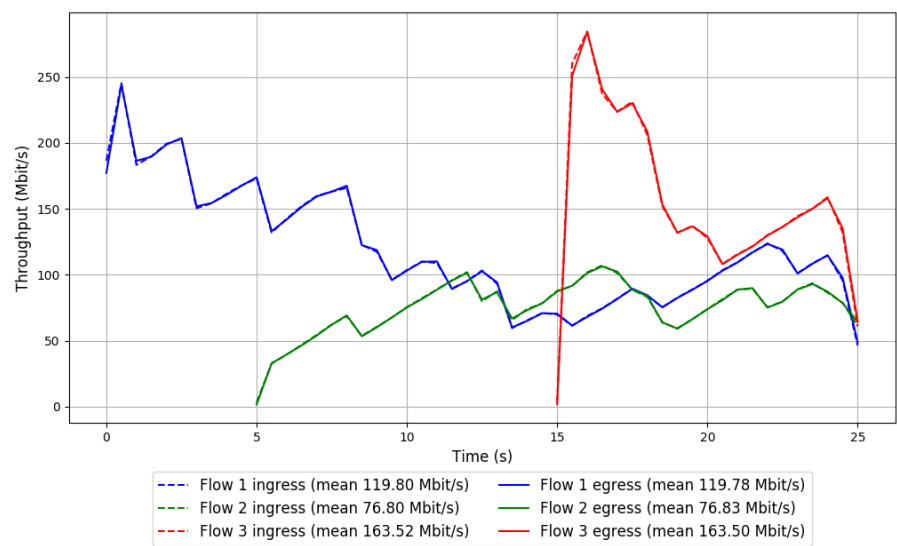
-- Flow 3:

Average throughput: 163.50 Mbit/s

95th percentile per-packet one-way delay: 19.883 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:06:22 +0000

End at: Sat, 29 Jul 2017 05:06:52 +0000

Local clock offset: 0.244 ms

Remote clock offset: -1.785 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:32:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.01 Mbit/s

95th percentile per-packet one-way delay: 19.971 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 20.008 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 121.30 Mbit/s

95th percentile per-packet one-way delay: 19.940 ms

Loss rate: 0.02%

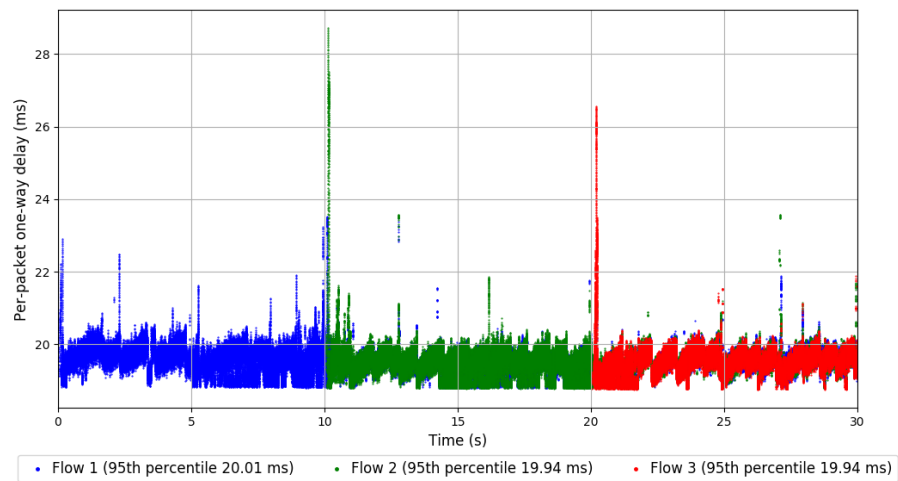
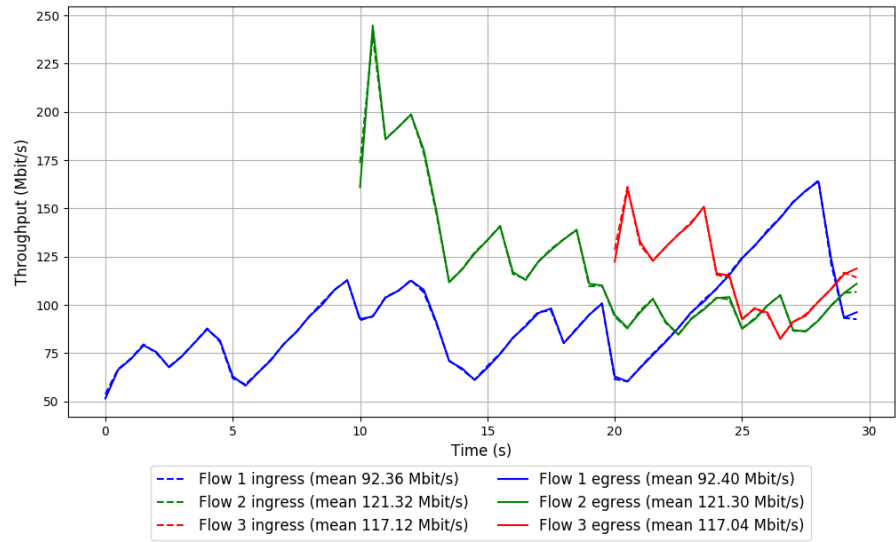
-- Flow 3:

Average throughput: 117.04 Mbit/s

95th percentile per-packet one-way delay: 19.937 ms

Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:27:11 +0000

End at: Sat, 29 Jul 2017 05:27:41 +0000

Local clock offset: 0.571 ms

Remote clock offset: -1.461 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.18 Mbit/s

95th percentile per-packet one-way delay: 20.058 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 19.906 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 178.31 Mbit/s

95th percentile per-packet one-way delay: 20.093 ms

Loss rate: 0.01%

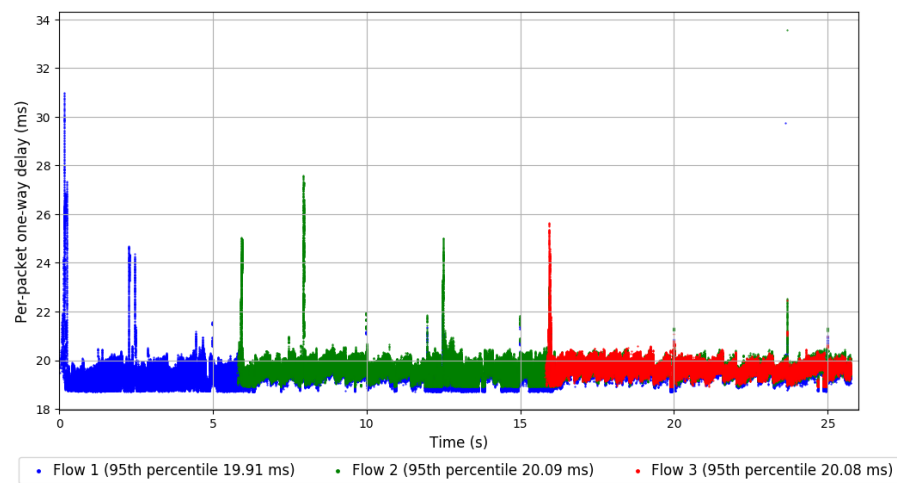
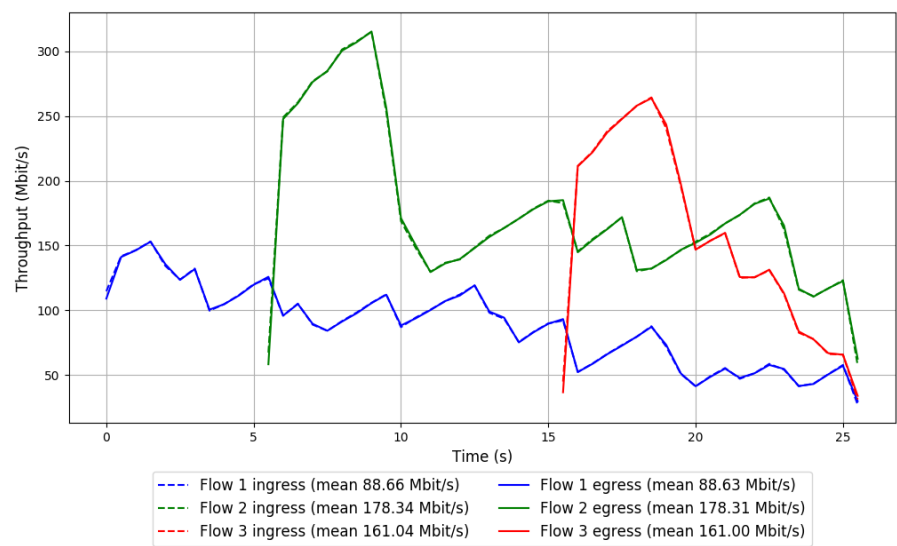
-- Flow 3:

Average throughput: 161.00 Mbit/s

95th percentile per-packet one-way delay: 20.080 ms

Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:47:58 +0000

End at: Sat, 29 Jul 2017 05:48:28 +0000

Local clock offset: 0.872 ms

Remote clock offset: -1.264 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 184.74 Mbit/s

95th percentile per-packet one-way delay: 20.098 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 109.27 Mbit/s

95th percentile per-packet one-way delay: 20.171 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 75.08 Mbit/s

95th percentile per-packet one-way delay: 19.843 ms

Loss rate: 0.02%

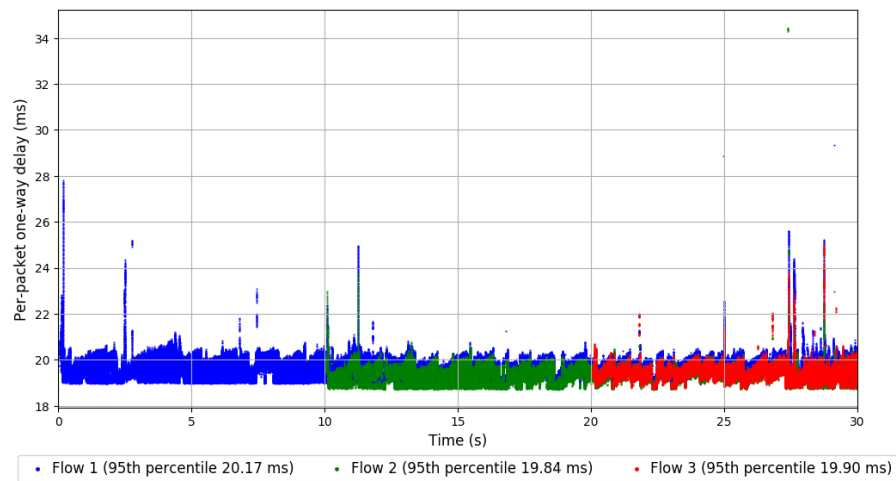
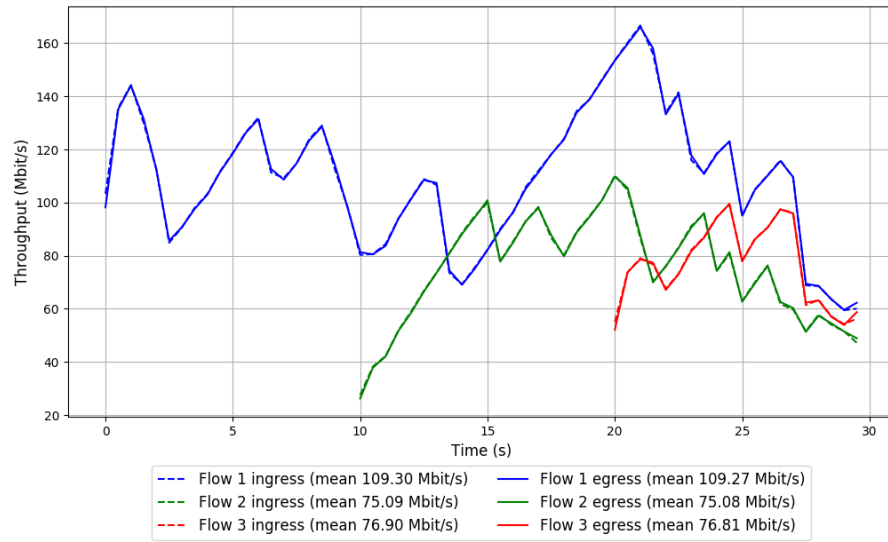
-- Flow 3:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 19.904 ms

Loss rate: 0.12%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:08:43 +0000

End at: Sat, 29 Jul 2017 06:09:13 +0000

Local clock offset: 1.068 ms

Remote clock offset: -1.162 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.48 Mbit/s

95th percentile per-packet one-way delay: 20.121 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 82.44 Mbit/s

95th percentile per-packet one-way delay: 20.178 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 101.39 Mbit/s

95th percentile per-packet one-way delay: 18.573 ms

Loss rate: 0.06%

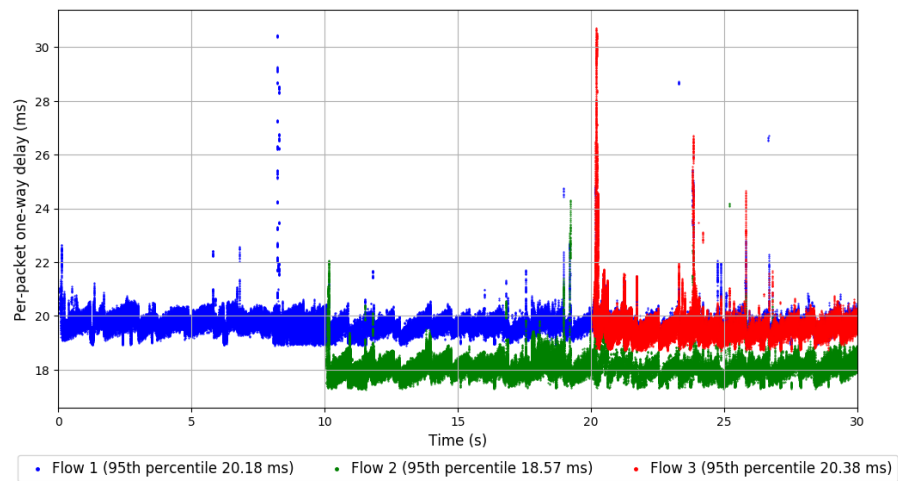
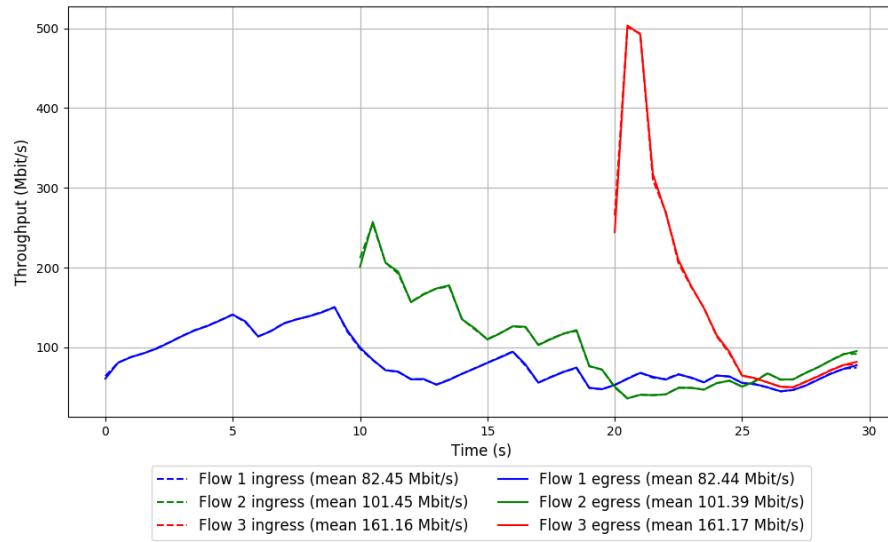
-- Flow 3:

Average throughput: 161.17 Mbit/s

95th percentile per-packet one-way delay: 20.375 ms

Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:29:31 +0000

End at: Sat, 29 Jul 2017 06:30:01 +0000

Local clock offset: 0.896 ms

Remote clock offset: -1.178 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.77 Mbit/s

95th percentile per-packet one-way delay: 20.004 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 19.856 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 118.96 Mbit/s

95th percentile per-packet one-way delay: 20.021 ms

Loss rate: 0.03%

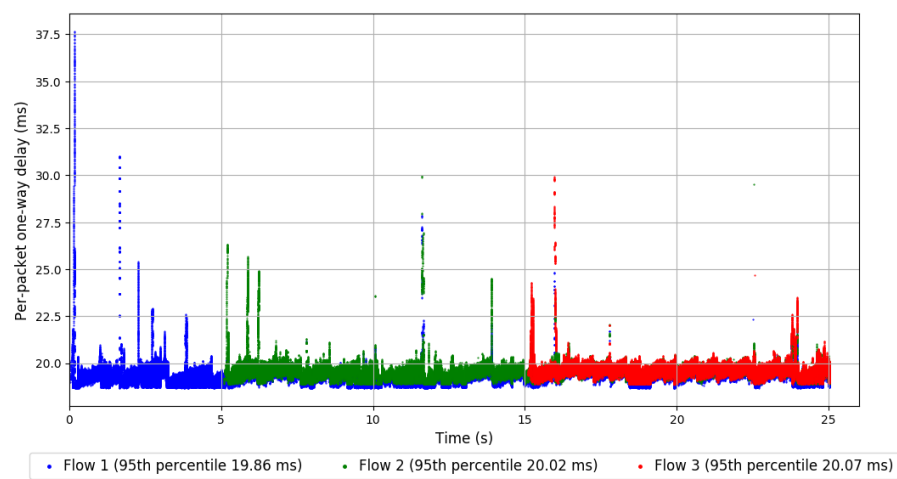
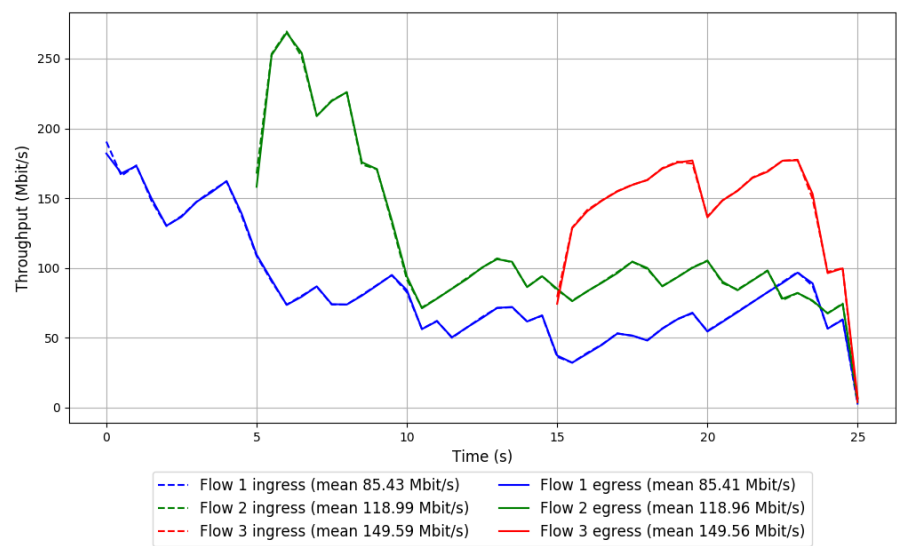
-- Flow 3:

Average throughput: 149.56 Mbit/s

95th percentile per-packet one-way delay: 20.068 ms

Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:50:14 +0000

End at: Sat, 29 Jul 2017 06:50:44 +0000

Local clock offset: 0.911 ms

Remote clock offset: -1.206 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 159.01 Mbit/s

95th percentile per-packet one-way delay: 19.991 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 4523.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.36 Mbit/s

95th percentile per-packet one-way delay: 20.033 ms

Loss rate: 0.01%

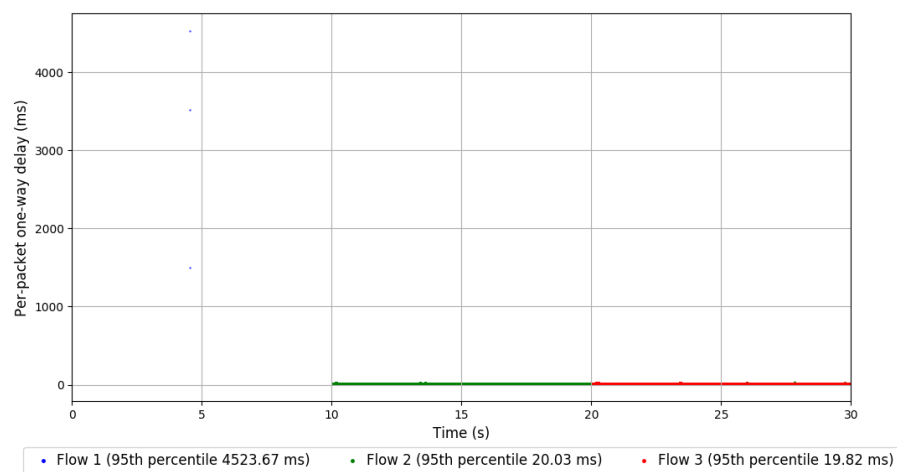
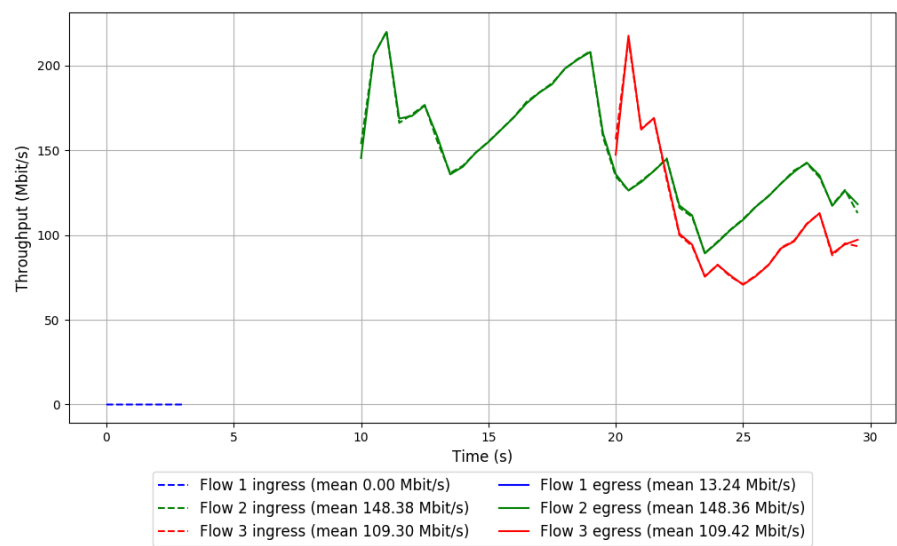
-- Flow 3:

Average throughput: 109.42 Mbit/s

95th percentile per-packet one-way delay: 19.815 ms

Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:10:50 +0000

End at: Sat, 29 Jul 2017 07:11:20 +0000

Local clock offset: 0.722 ms

Remote clock offset: -1.105 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.91 Mbit/s

95th percentile per-packet one-way delay: 20.239 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 4324.525 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 19.974 ms

Loss rate: 0.06%

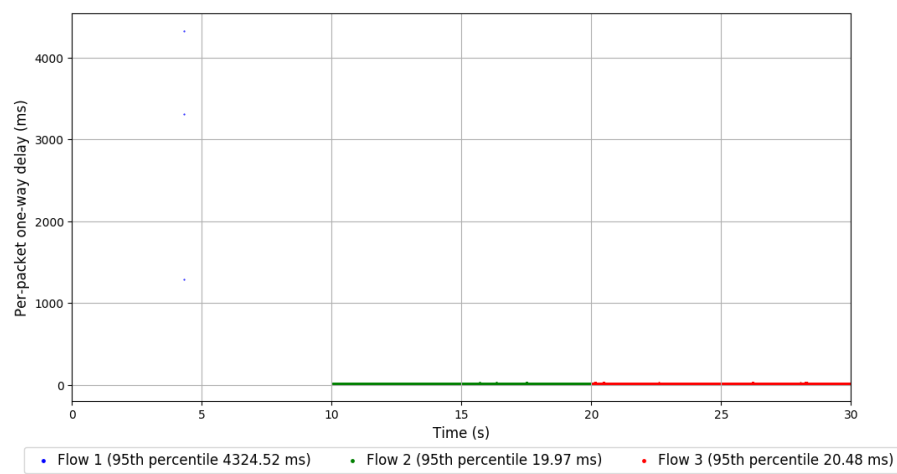
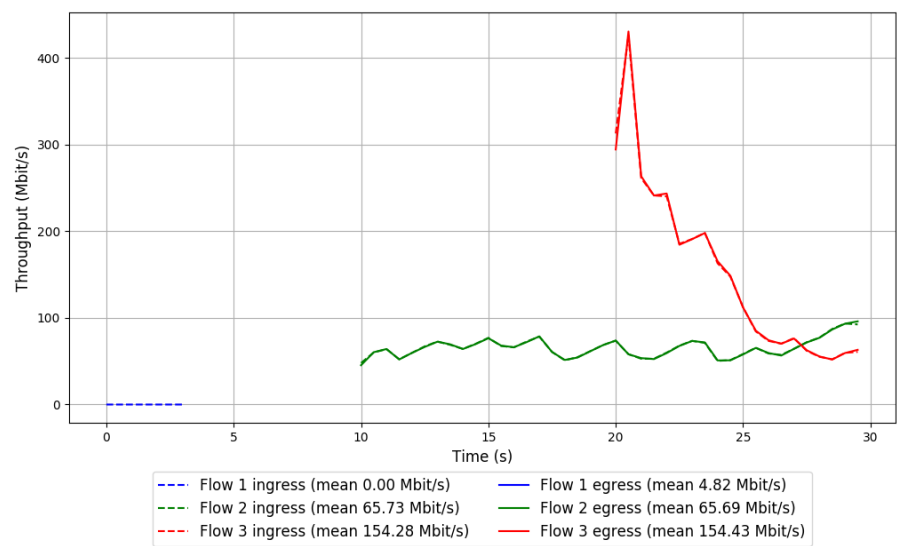
-- Flow 3:

Average throughput: 154.43 Mbit/s

95th percentile per-packet one-way delay: 20.484 ms

Loss rate: 0.09%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:31:27 +0000

End at: Sat, 29 Jul 2017 07:31:57 +0000

Local clock offset: 0.737 ms

Remote clock offset: -1.397 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:33:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.53 Mbit/s

95th percentile per-packet one-way delay: 20.090 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 14.05 Mbit/s

95th percentile per-packet one-way delay: 5002.880 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.79 Mbit/s

95th percentile per-packet one-way delay: 20.119 ms

Loss rate: 0.03%

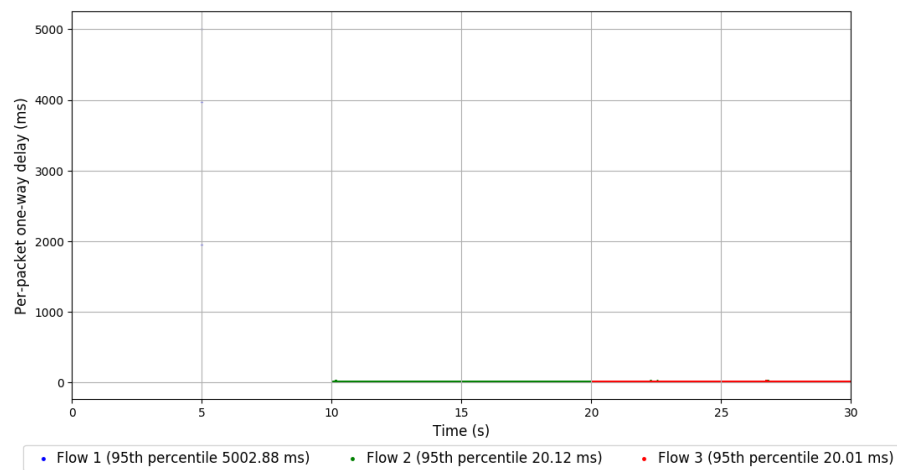
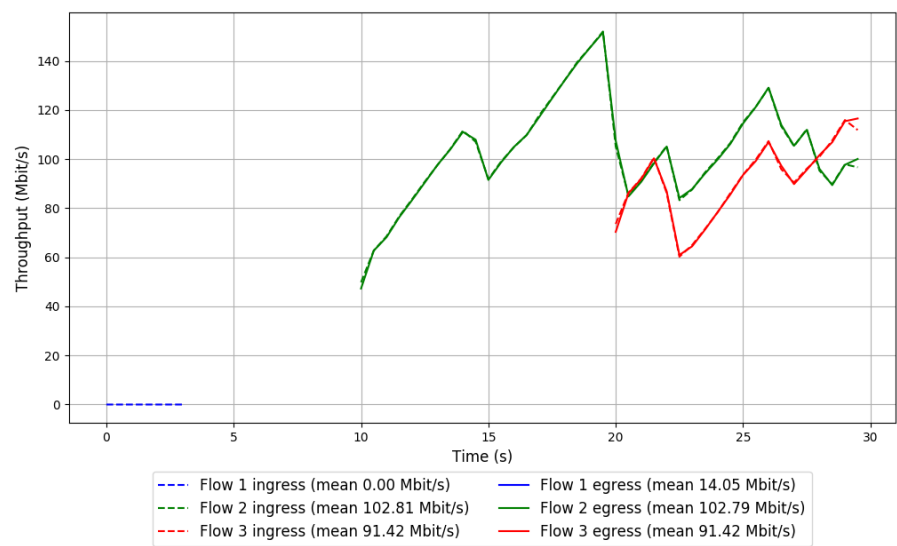
-- Flow 3:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 20.008 ms

Loss rate: 0.02%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 04:38:38 +0000

End at: Sat, 29 Jul 2017 04:39:08 +0000

Local clock offset: -0.183 ms

Remote clock offset: -2.149 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.66 Mbit/s

95th percentile per-packet one-way delay: 20.094 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 19.926 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.14 Mbit/s

95th percentile per-packet one-way delay: 20.162 ms

Loss rate: 0.01%

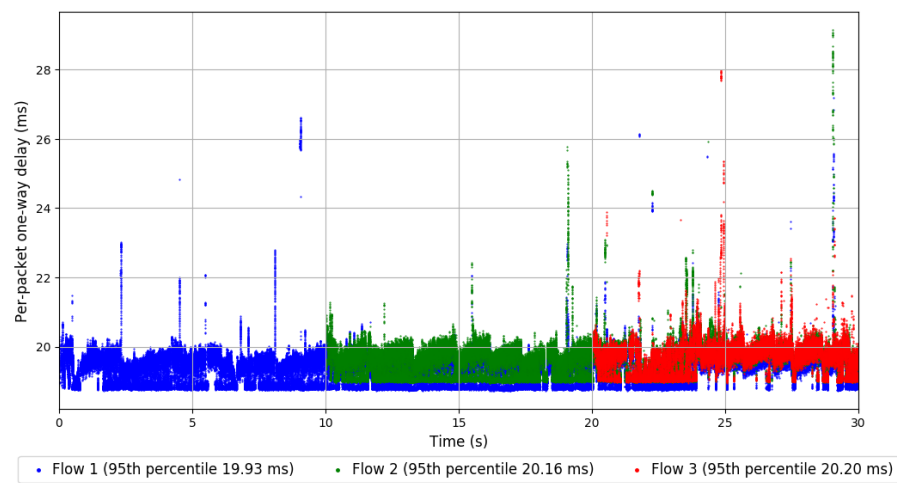
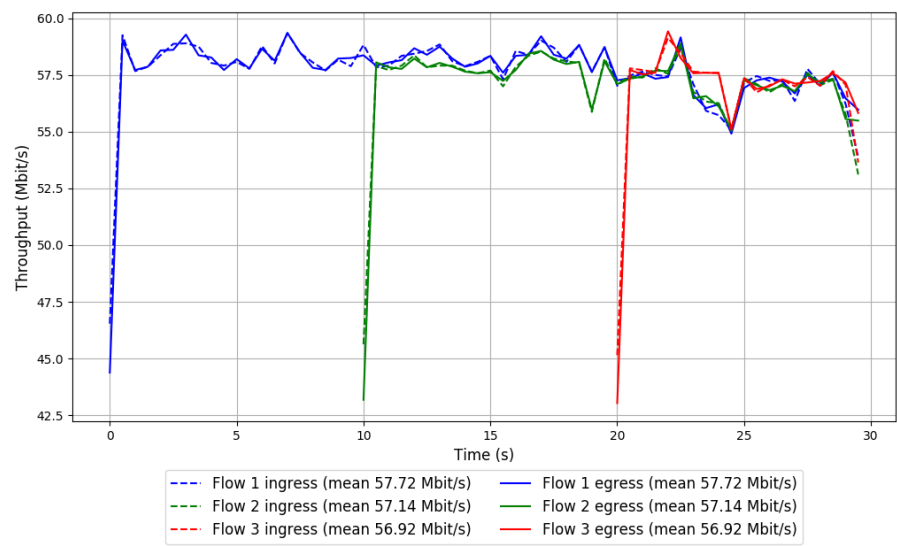
-- Flow 3:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 20.203 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 04:59:25 +0000

End at: Sat, 29 Jul 2017 04:59:55 +0000

Local clock offset: 0.208 ms

Remote clock offset: -2.026 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.13 Mbit/s

95th percentile per-packet one-way delay: 19.832 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 19.883 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.94 Mbit/s

95th percentile per-packet one-way delay: 18.458 ms

Loss rate: 0.00%

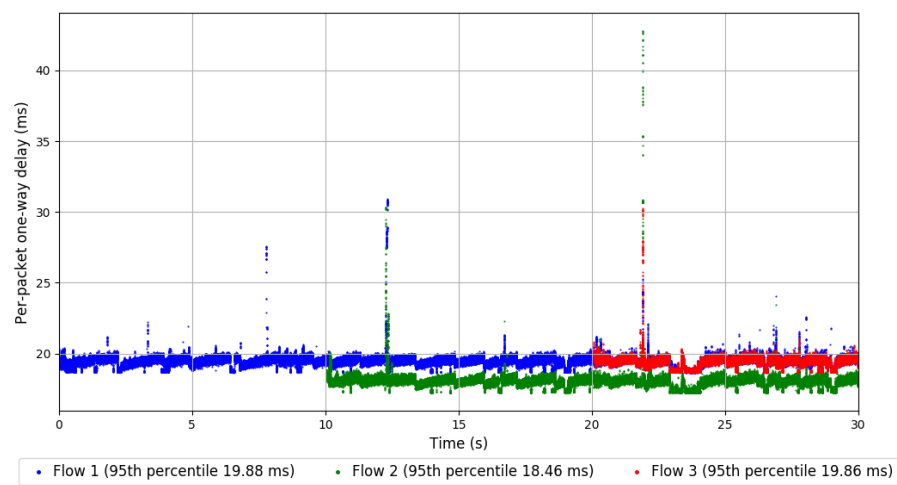
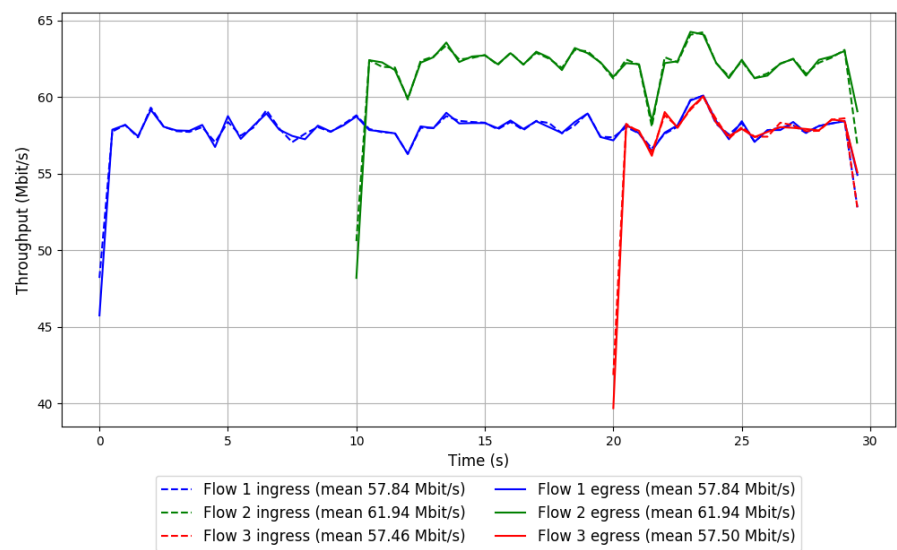
-- Flow 3:

Average throughput: 57.50 Mbit/s

95th percentile per-packet one-way delay: 19.856 ms

Loss rate: 0.01%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:20:13 +0000

End at: Sat, 29 Jul 2017 05:20:43 +0000

Local clock offset: 0.549 ms

Remote clock offset: -1.643 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.05 Mbit/s

95th percentile per-packet one-way delay: 19.800 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 19.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 19.855 ms

Loss rate: 0.01%

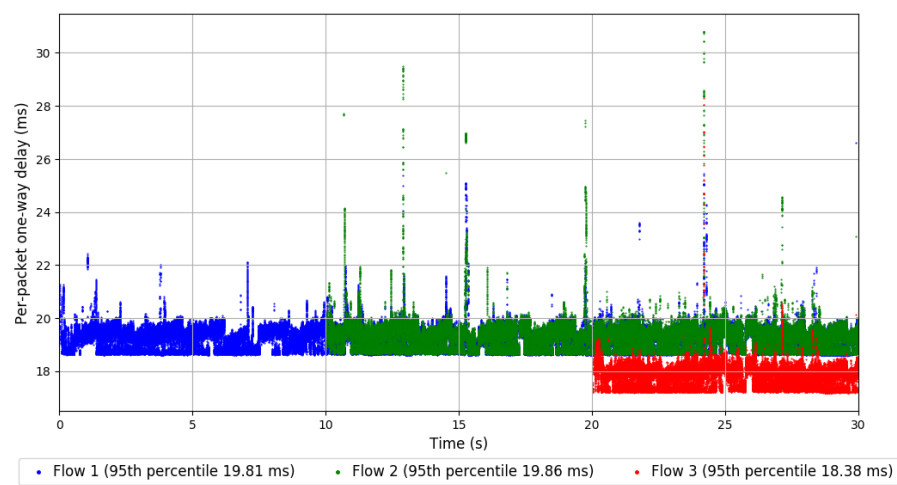
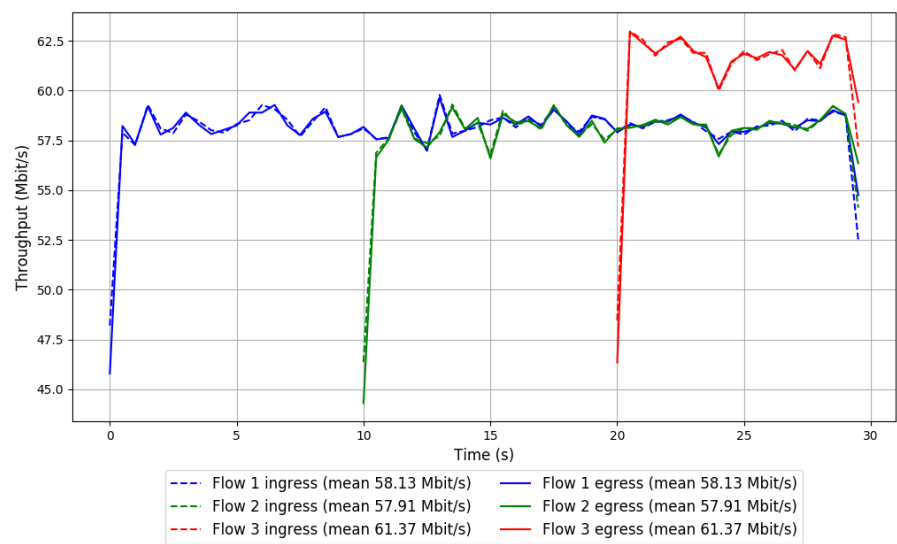
-- Flow 3:

Average throughput: 61.37 Mbit/s

95th percentile per-packet one-way delay: 18.379 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:40:56 +0000

End at: Sat, 29 Jul 2017 05:41:26 +0000

Local clock offset: 0.79 ms

Remote clock offset: -1.079 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.85 Mbit/s

95th percentile per-packet one-way delay: 20.083 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.21 Mbit/s

95th percentile per-packet one-way delay: 20.018 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.00 Mbit/s

95th percentile per-packet one-way delay: 20.066 ms

Loss rate: 0.00%

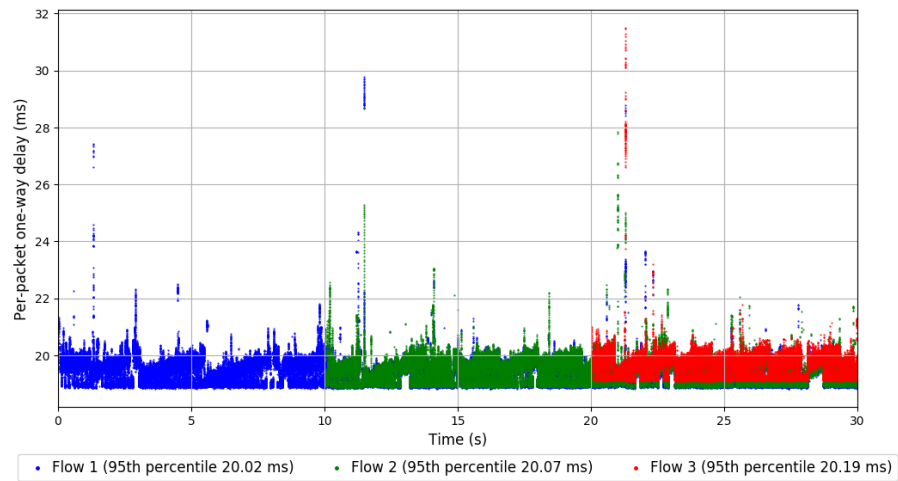
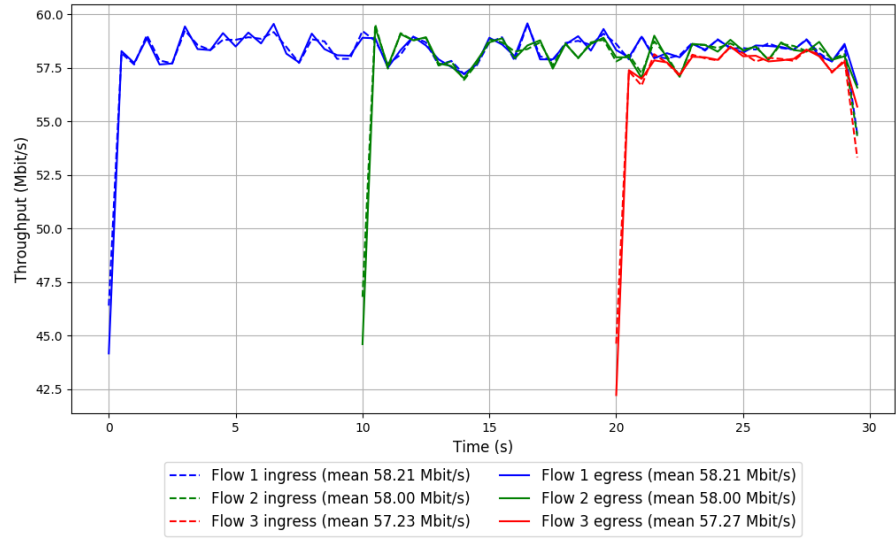
-- Flow 3:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 20.192 ms

Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:01:43 +0000

End at: Sat, 29 Jul 2017 06:02:13 +0000

Local clock offset: 1.109 ms

Remote clock offset: -1.176 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.76 Mbit/s

95th percentile per-packet one-way delay: 20.018 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 20.064 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 19.877 ms

Loss rate: 0.01%

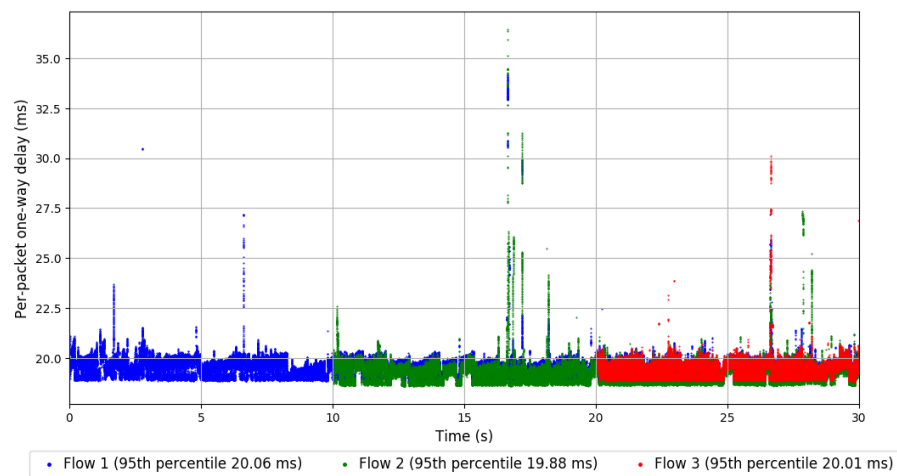
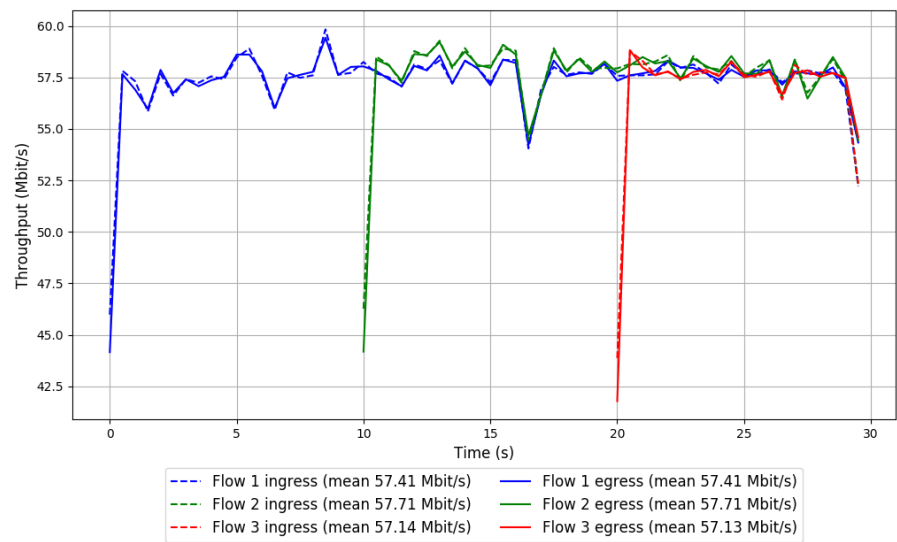
-- Flow 3:

Average throughput: 57.13 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:22:28 +0000

End at: Sat, 29 Jul 2017 06:22:58 +0000

Local clock offset: 0.894 ms

Remote clock offset: -1.32 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.12 Mbit/s

95th percentile per-packet one-way delay: 20.088 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.49 Mbit/s

95th percentile per-packet one-way delay: 20.134 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 19.917 ms

Loss rate: 0.00%

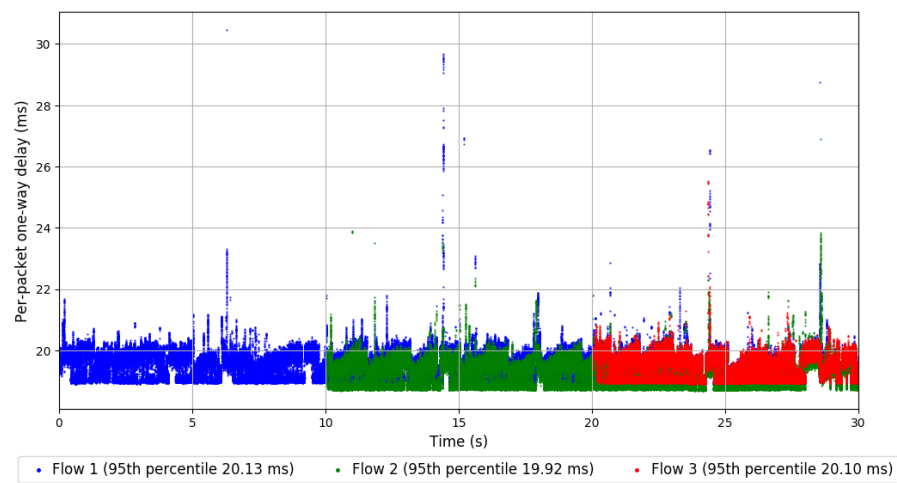
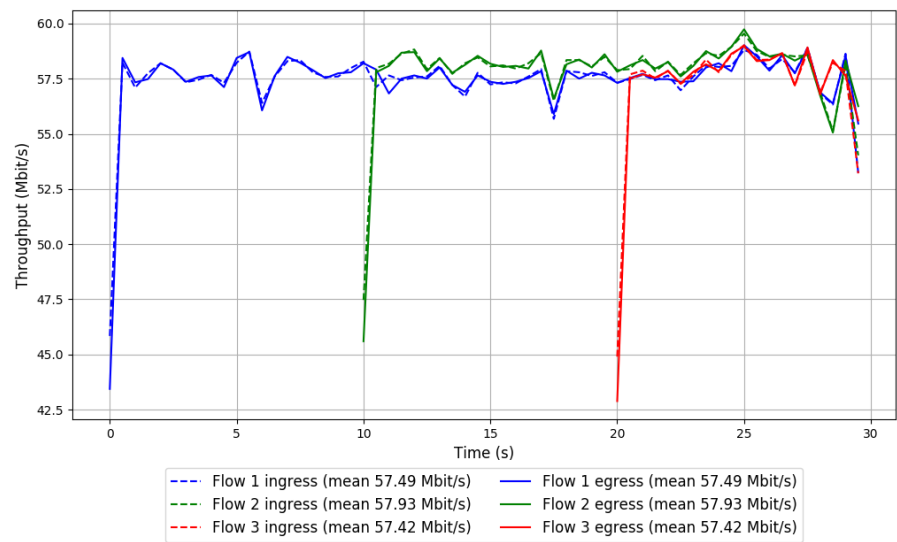
-- Flow 3:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 20.096 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:43:15 +0000

End at: Sat, 29 Jul 2017 06:43:45 +0000

Local clock offset: 0.859 ms

Remote clock offset: -1.281 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:34:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.63 Mbit/s

95th percentile per-packet one-way delay: 20.136 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 57.46 Mbit/s

95th percentile per-packet one-way delay: 20.147 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 57.20 Mbit/s

95th percentile per-packet one-way delay: 20.166 ms

Loss rate: 0.03%

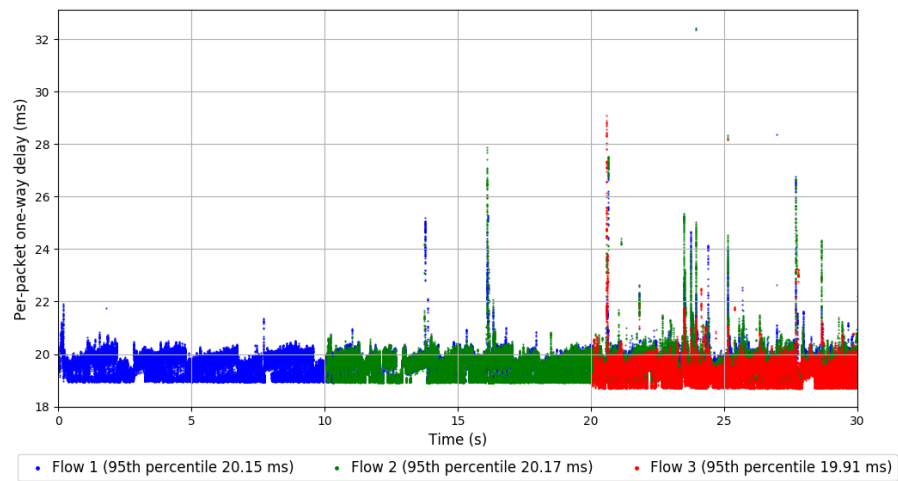
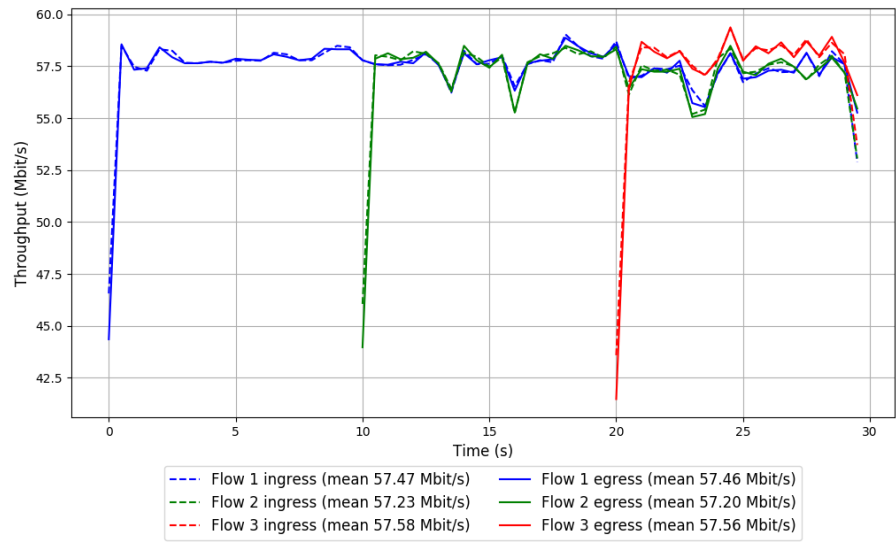
-- Flow 3:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 19.906 ms

Loss rate: 0.03%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:03:51 +0000

End at: Sat, 29 Jul 2017 07:04:21 +0000

Local clock offset: 0.837 ms

Remote clock offset: -1.055 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:35:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.18 Mbit/s

95th percentile per-packet one-way delay: 20.061 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 20.158 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 18.481 ms

Loss rate: 0.01%

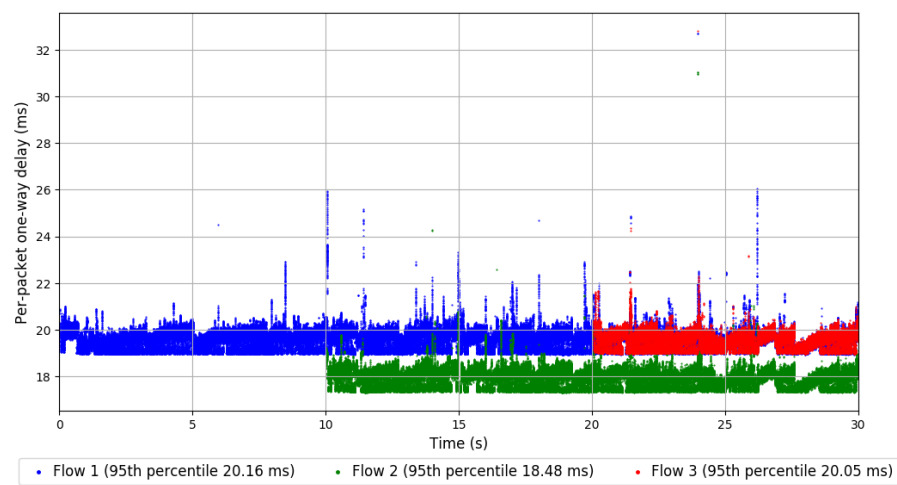
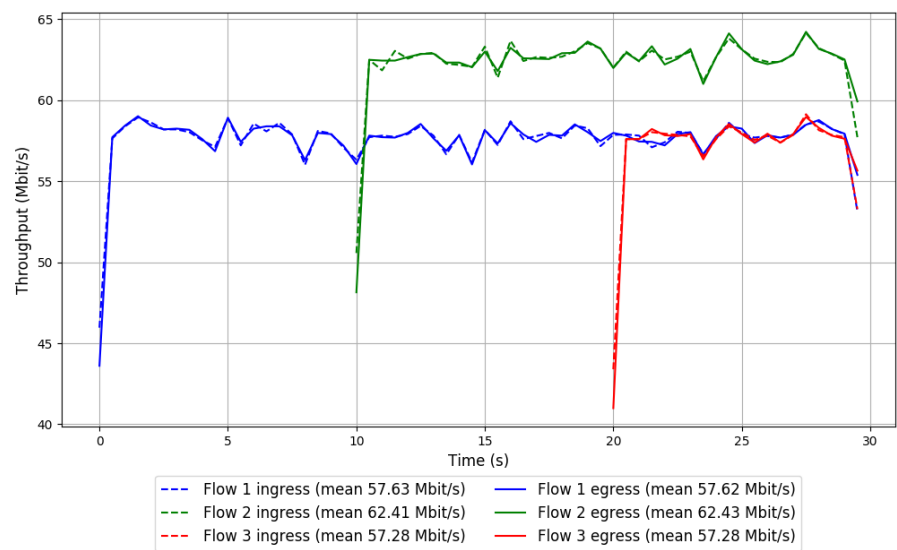
-- Flow 3:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 20.047 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:24:27 +0000

End at: Sat, 29 Jul 2017 07:24:57 +0000

Local clock offset: 0.672 ms

Remote clock offset: -1.305 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:35:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.73 Mbit/s

95th percentile per-packet one-way delay: 20.117 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 20.124 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 20.123 ms

Loss rate: 0.00%

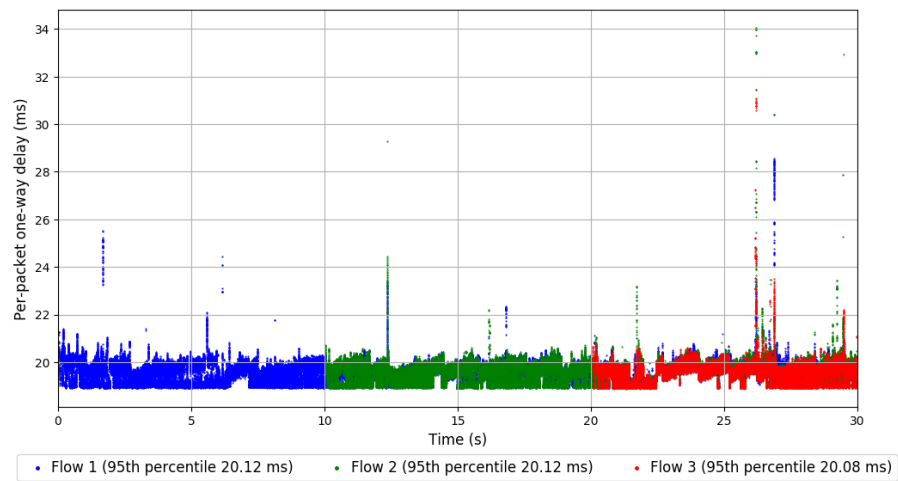
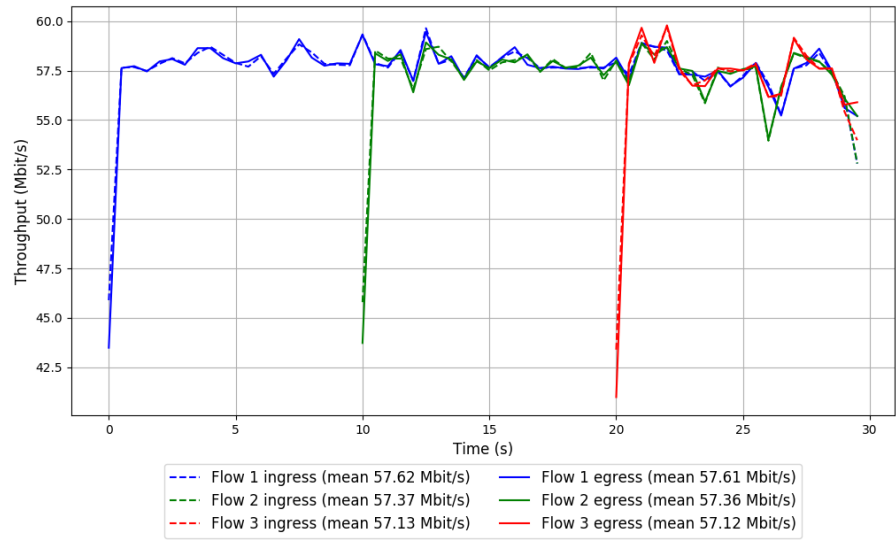
-- Flow 3:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 20.080 ms

Loss rate: 0.02%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:45:08 +0000

End at: Sat, 29 Jul 2017 07:45:38 +0000

Local clock offset: 0.666 ms

Remote clock offset: -1.117 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:35:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.02 Mbit/s

95th percentile per-packet one-way delay: 19.939 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 62.39 Mbit/s

95th percentile per-packet one-way delay: 18.538 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 20.114 ms

Loss rate: 0.01%

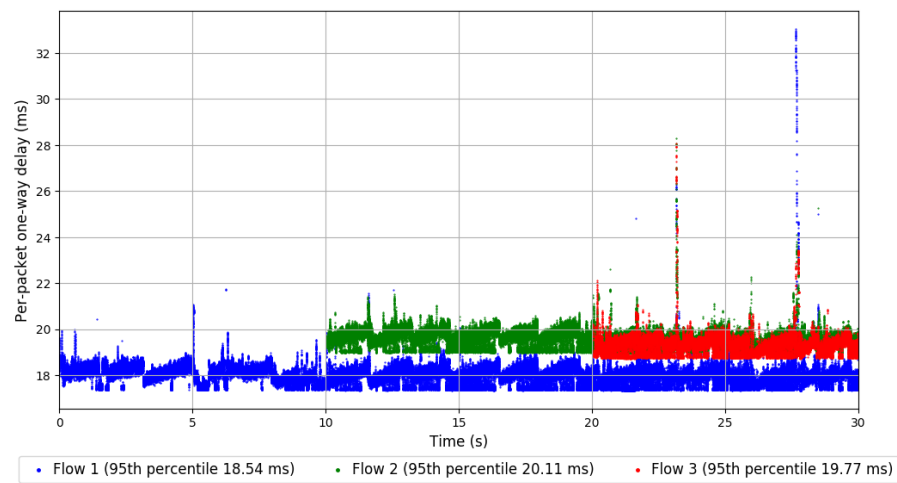
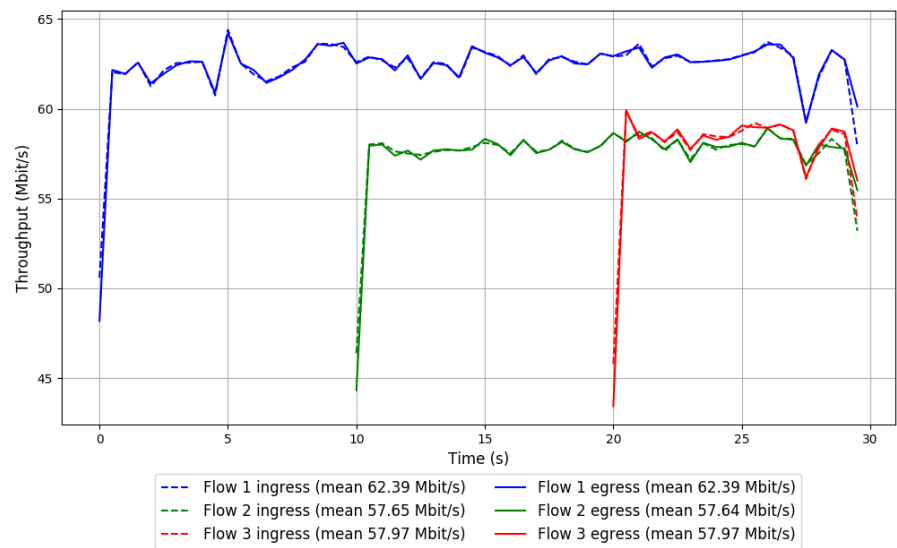
-- Flow 3:

Average throughput: 57.97 Mbit/s

95th percentile per-packet one-way delay: 19.765 ms

Loss rate: 0.01%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 04:26:08 +0000

End at: Sat, 29 Jul 2017 04:26:38 +0000

Local clock offset: -0.36 ms

Remote clock offset: -2.132 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:35:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.97 Mbit/s

95th percentile per-packet one-way delay: 19.697 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 143.66 Mbit/s

95th percentile per-packet one-way delay: 19.725 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 128.42 Mbit/s

95th percentile per-packet one-way delay: 19.691 ms

Loss rate: 0.03%

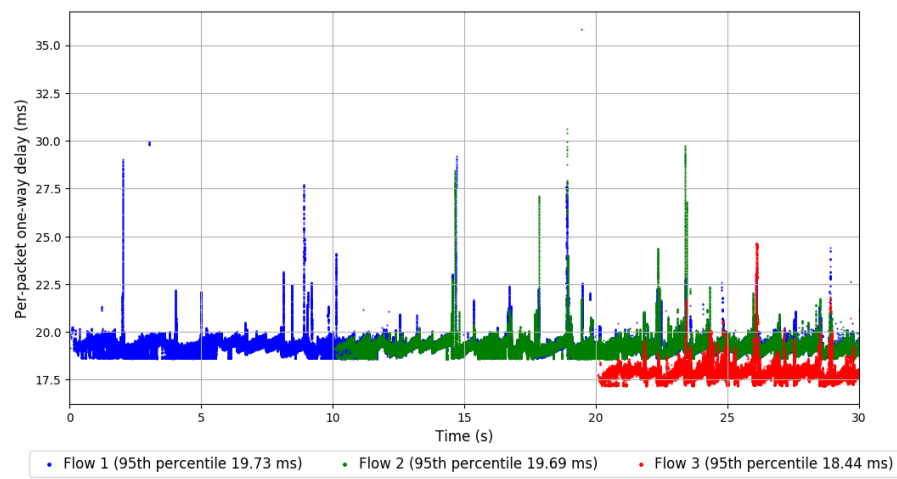
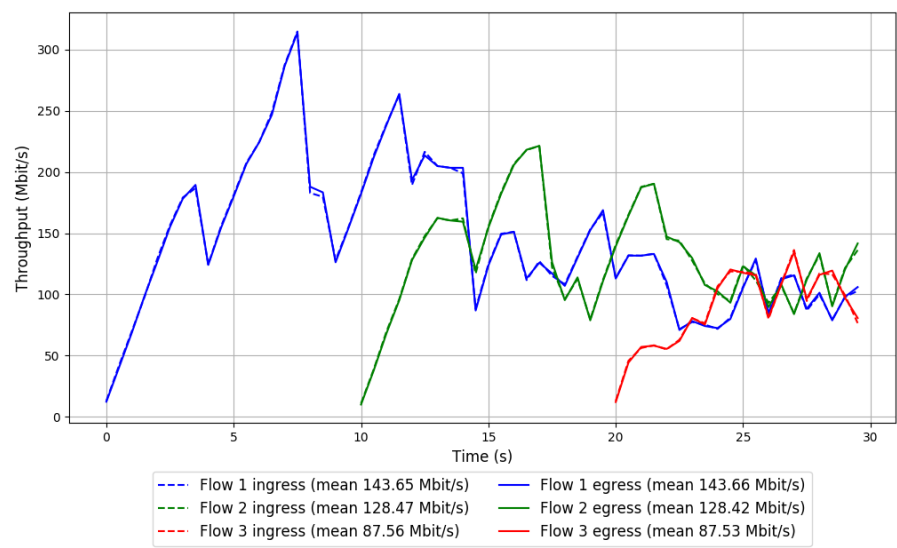
-- Flow 3:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 18.438 ms

Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 04:47:03 +0000

End at: Sat, 29 Jul 2017 04:47:33 +0000

Local clock offset: 0.044 ms

Remote clock offset: -2.196 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:35:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.32 Mbit/s

95th percentile per-packet one-way delay: 19.885 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 124.76 Mbit/s

95th percentile per-packet one-way delay: 19.800 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 100.34 Mbit/s

95th percentile per-packet one-way delay: 20.001 ms

Loss rate: 0.02%

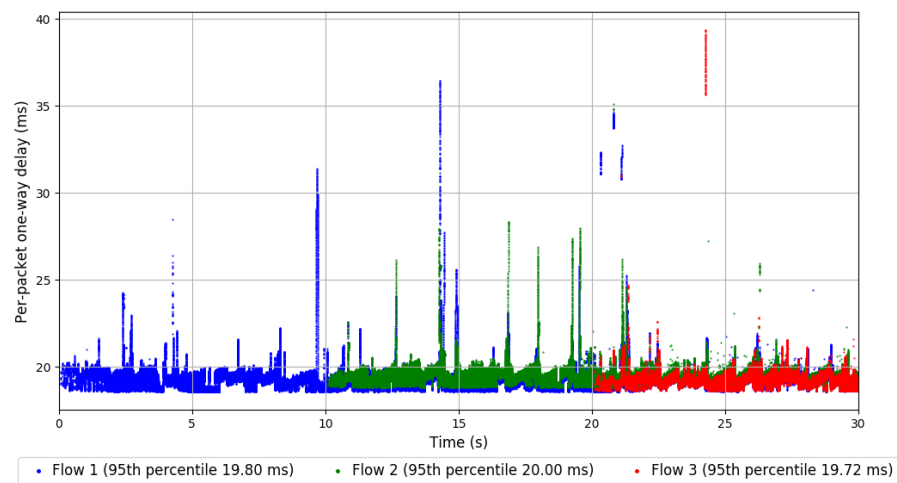
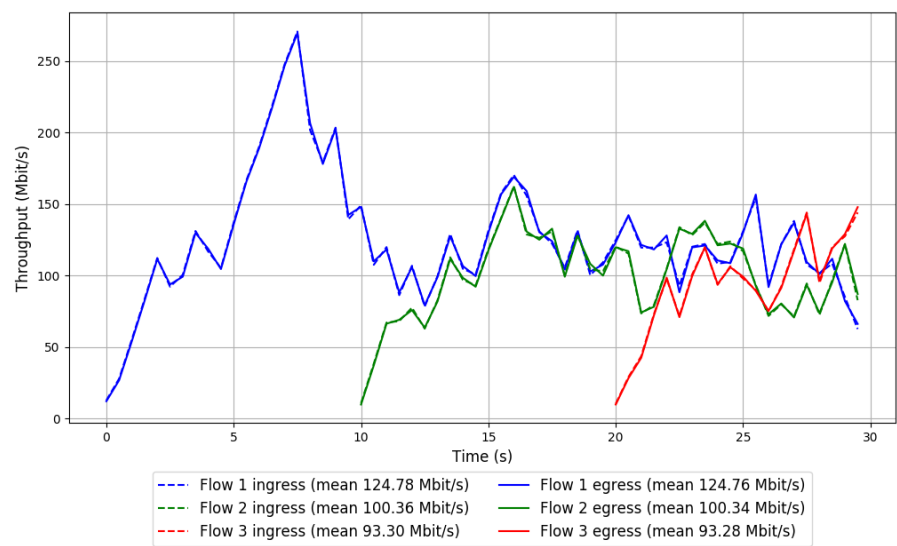
-- Flow 3:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 19.723 ms

Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:07:44 +0000

End at: Sat, 29 Jul 2017 05:08:14 +0000

Local clock offset: 0.354 ms

Remote clock offset: -1.802 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:36:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.44 Mbit/s

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

Loss rate: 0.03%

-- Flow 1:

Average throughput: 124.69 Mbit/s

95th percentile per-packet one-way delay: 19.839 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 117.40 Mbit/s

95th percentile per-packet one-way delay: 19.997 ms

Loss rate: 0.04%

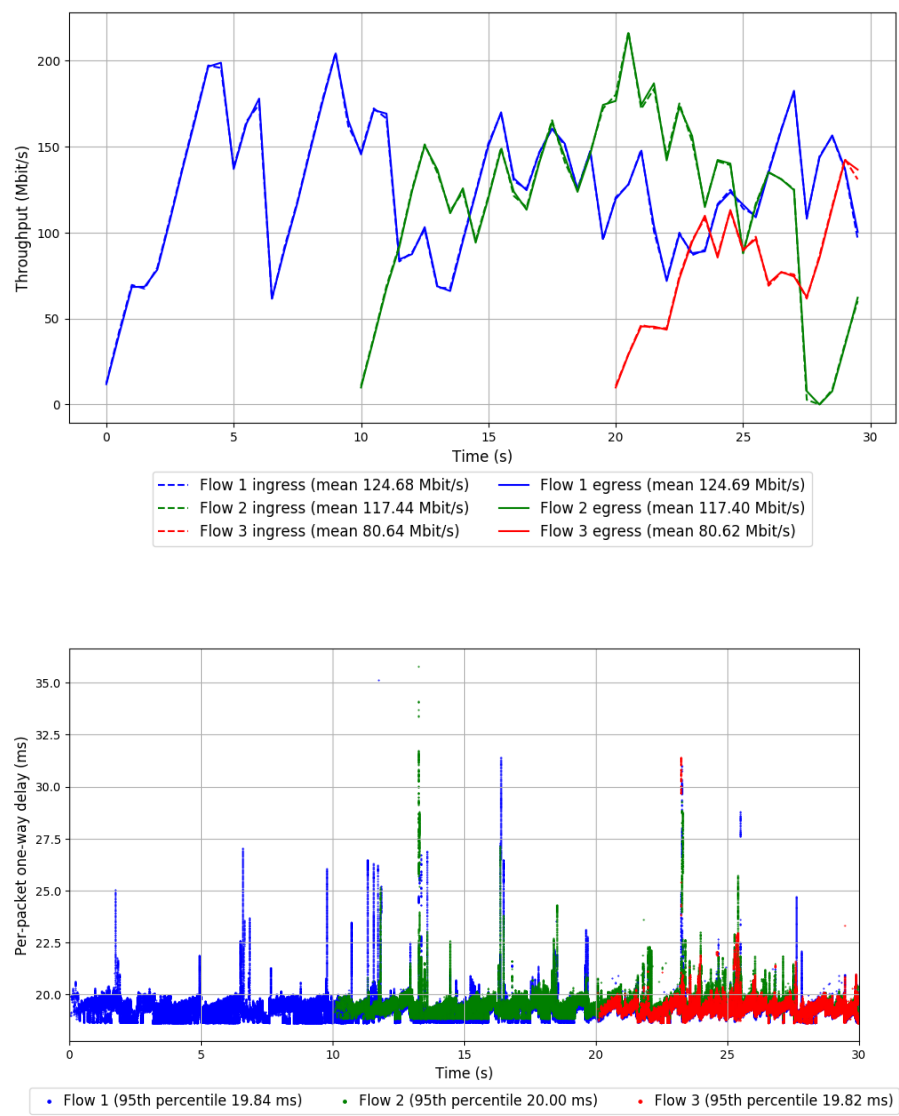
-- Flow 3:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 19.816 ms

Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

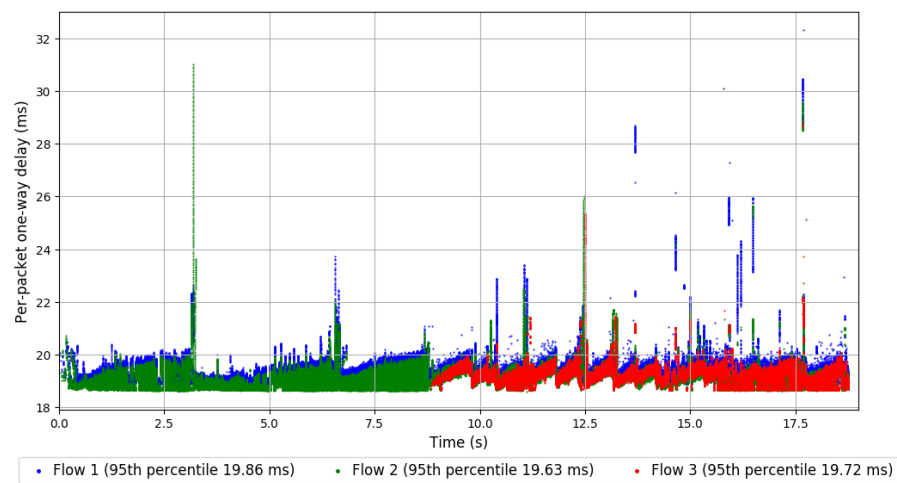
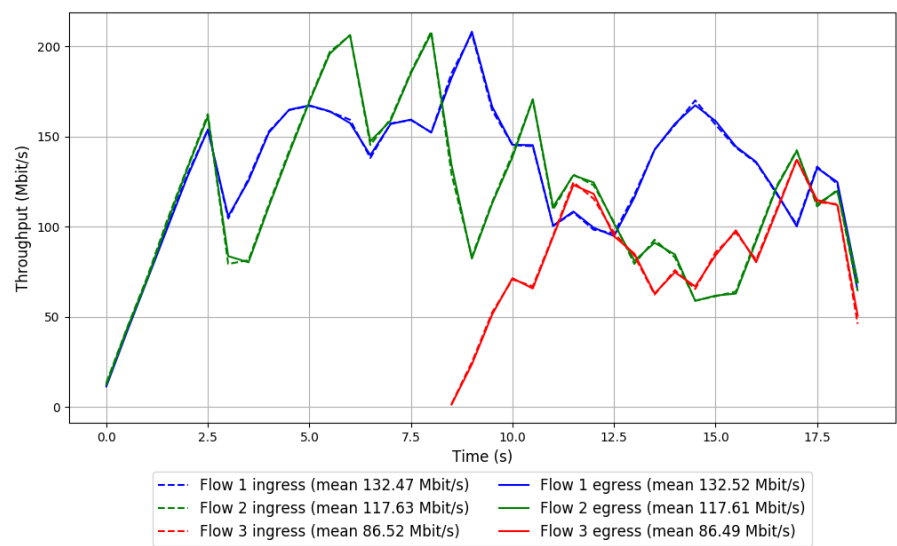
Start at: Sat, 29 Jul 2017 05:28:35 +0000

End at: Sat, 29 Jul 2017 05:29:05 +0000

Local clock offset: 0.688 ms

Remote clock offset: -1.361 ms

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:49:18 +0000

End at: Sat, 29 Jul 2017 05:49:48 +0000

Local clock offset: 0.88 ms

Remote clock offset: -1.238 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:36:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.43 Mbit/s

95th percentile per-packet one-way delay: 20.071 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 110.81 Mbit/s

95th percentile per-packet one-way delay: 20.113 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 116.36 Mbit/s

95th percentile per-packet one-way delay: 20.033 ms

Loss rate: 0.04%

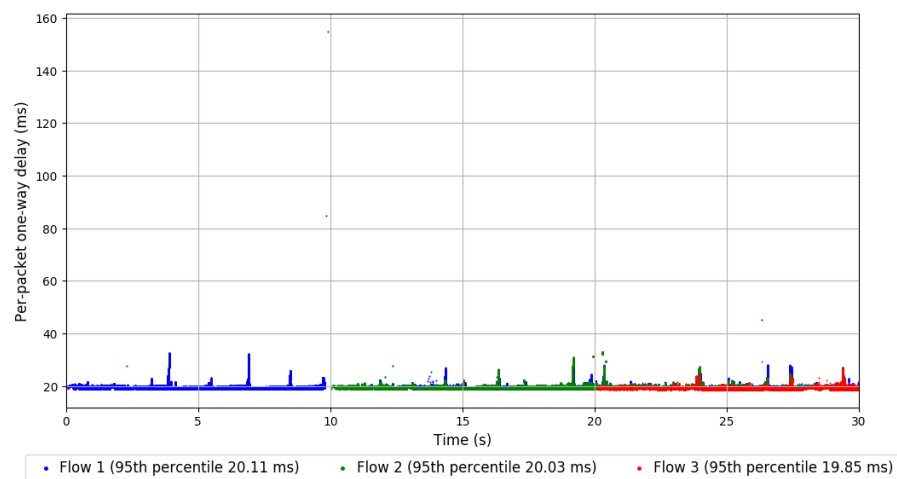
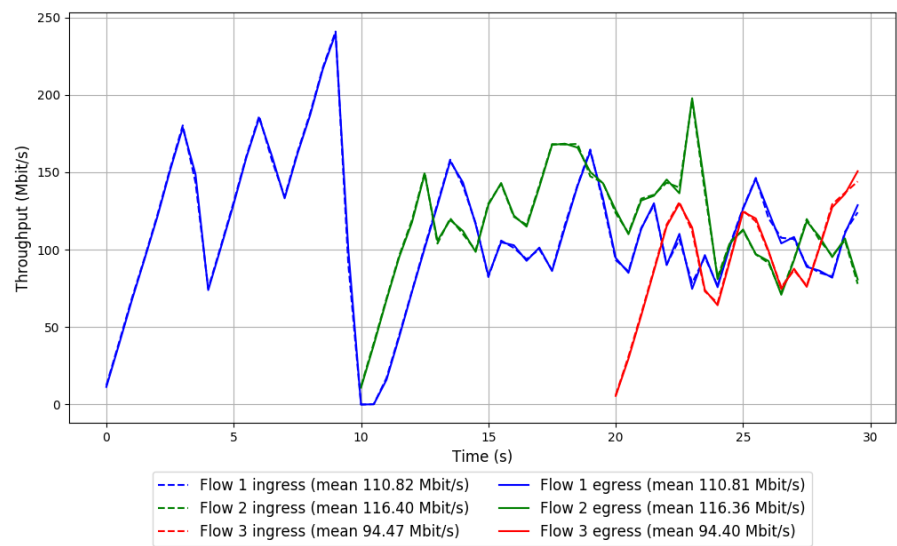
-- Flow 3:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 19.846 ms

Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:10:04 +0000

End at: Sat, 29 Jul 2017 06:10:34 +0000

Local clock offset: 0.984 ms

Remote clock offset: -1.152 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:36:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.51 Mbit/s

95th percentile per-packet one-way delay: 20.138 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 118.35 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 107.46 Mbit/s

95th percentile per-packet one-way delay: 19.935 ms

Loss rate: 0.06%

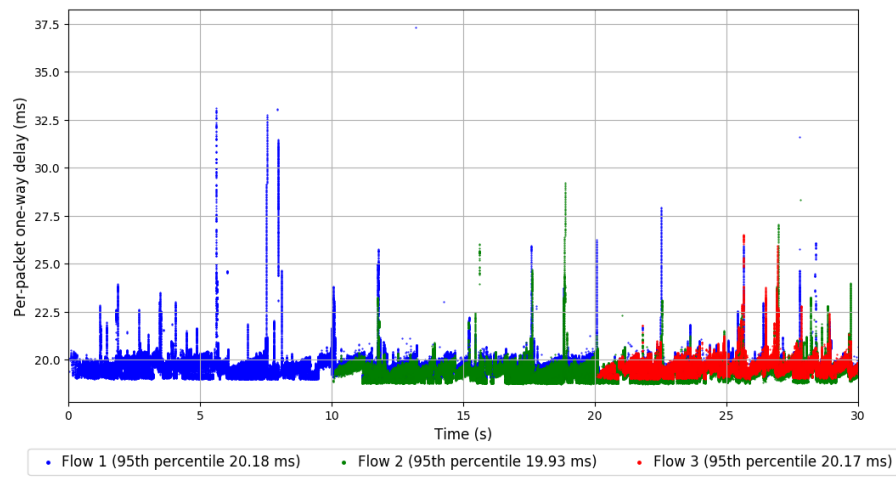
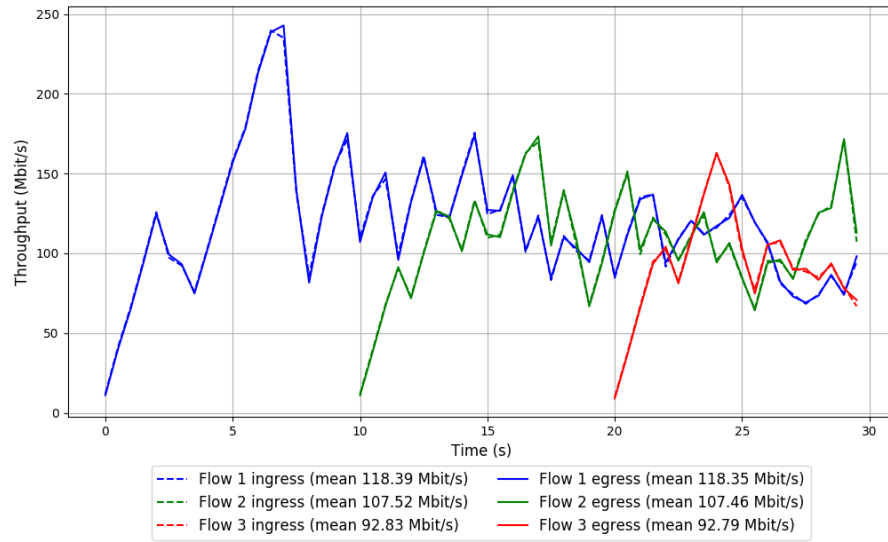
-- Flow 3:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 20.171 ms

Loss rate: 0.04%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:30:52 +0000

End at: Sat, 29 Jul 2017 06:31:22 +0000

Local clock offset: 0.888 ms

Remote clock offset: -1.149 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:37:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.38 Mbit/s

95th percentile per-packet one-way delay: 19.760 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 160.42 Mbit/s

95th percentile per-packet one-way delay: 18.401 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 99.07 Mbit/s

95th percentile per-packet one-way delay: 19.848 ms

Loss rate: 0.05%

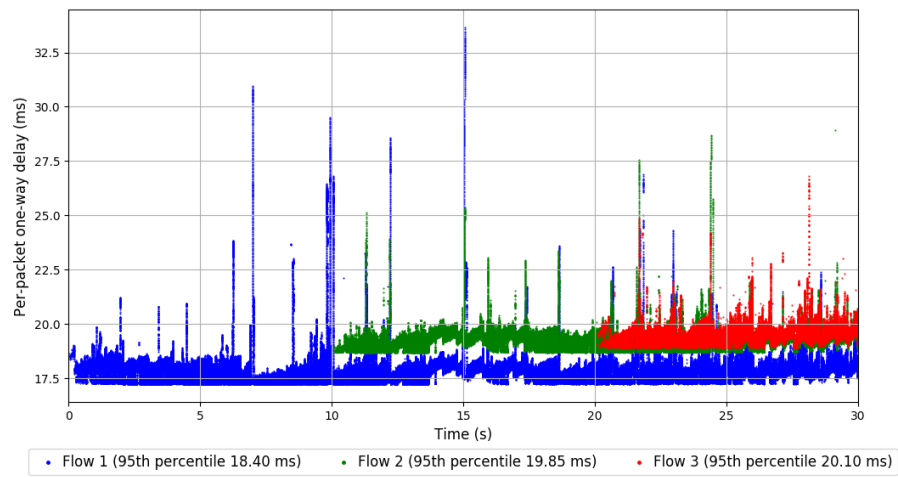
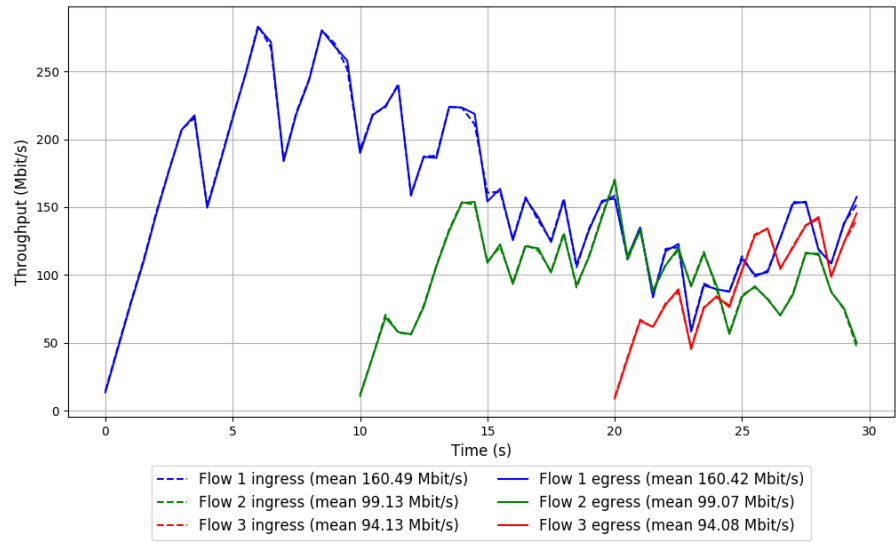
-- Flow 3:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 20.096 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:51:32 +0000

End at: Sat, 29 Jul 2017 06:52:02 +0000

Local clock offset: 0.833 ms

Remote clock offset: -1.254 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:37:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.02 Mbit/s

95th percentile per-packet one-way delay: 19.889 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 19.831 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 119.22 Mbit/s

95th percentile per-packet one-way delay: 20.004 ms

Loss rate: 0.03%

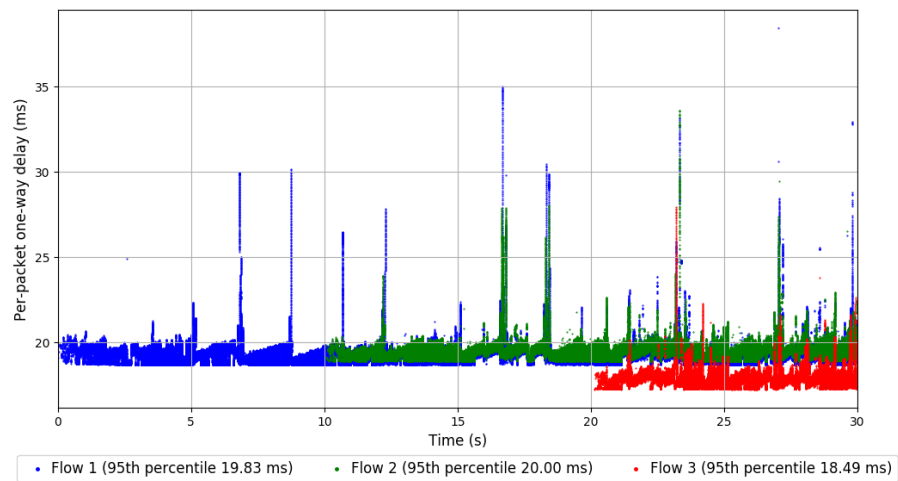
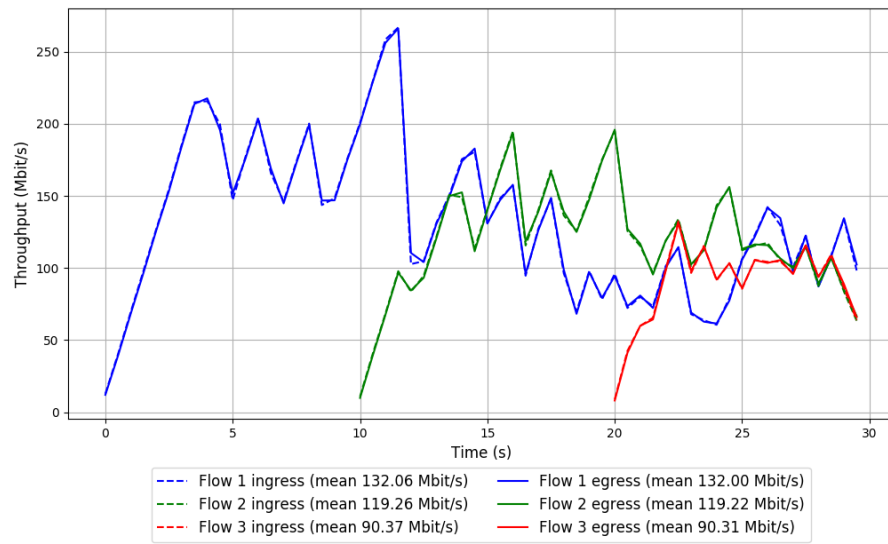
-- Flow 3:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 18.486 ms

Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:12:05 +0000

End at: Sat, 29 Jul 2017 07:12:35 +0000

Local clock offset: 0.826 ms

Remote clock offset: -0.997 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:37:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.53 Mbit/s

95th percentile per-packet one-way delay: 19.808 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 142.38 Mbit/s

95th percentile per-packet one-way delay: 19.816 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 113.65 Mbit/s

95th percentile per-packet one-way delay: 19.787 ms

Loss rate: 0.04%

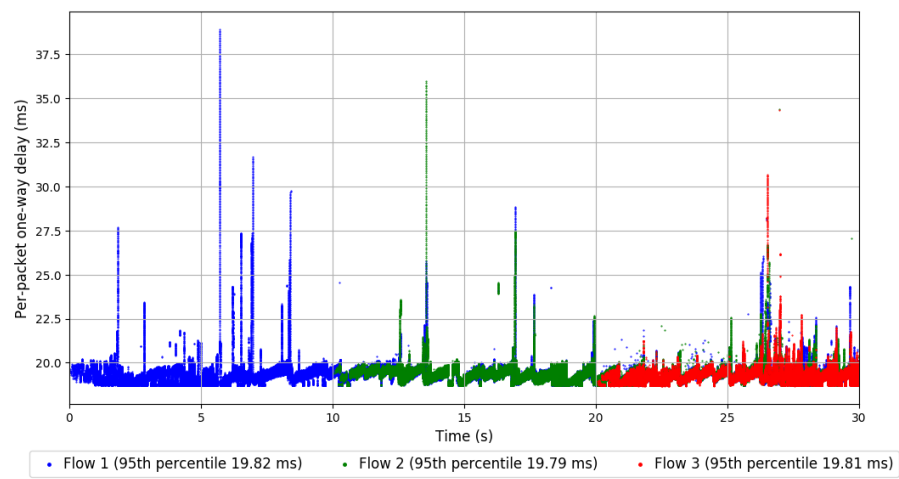
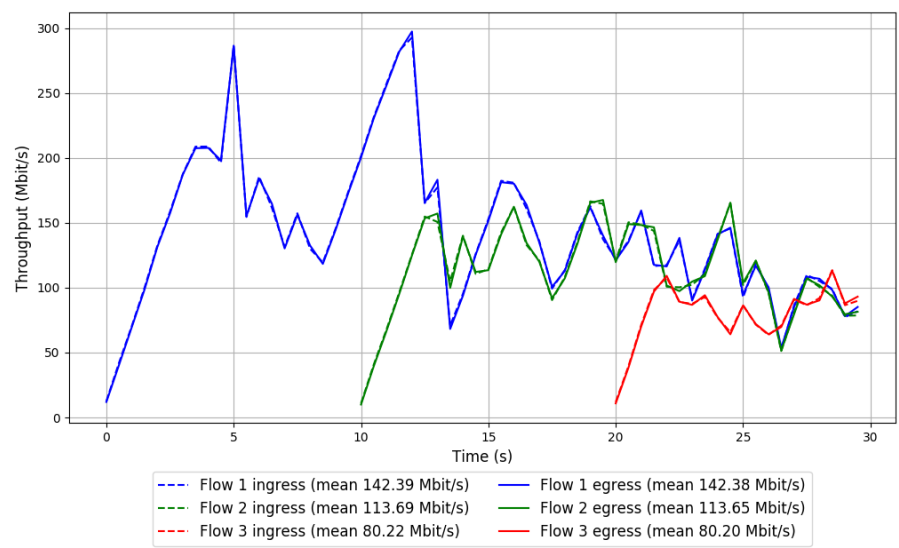
-- Flow 3:

Average throughput: 80.20 Mbit/s

95th percentile per-packet one-way delay: 19.811 ms

Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:32:42 +0000

End at: Sat, 29 Jul 2017 07:33:12 +0000

Local clock offset: 0.777 ms

Remote clock offset: -1.399 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:37:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.94 Mbit/s

95th percentile per-packet one-way delay: 19.900 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 130.05 Mbit/s

95th percentile per-packet one-way delay: 19.738 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 116.46 Mbit/s

95th percentile per-packet one-way delay: 20.056 ms

Loss rate: 0.03%

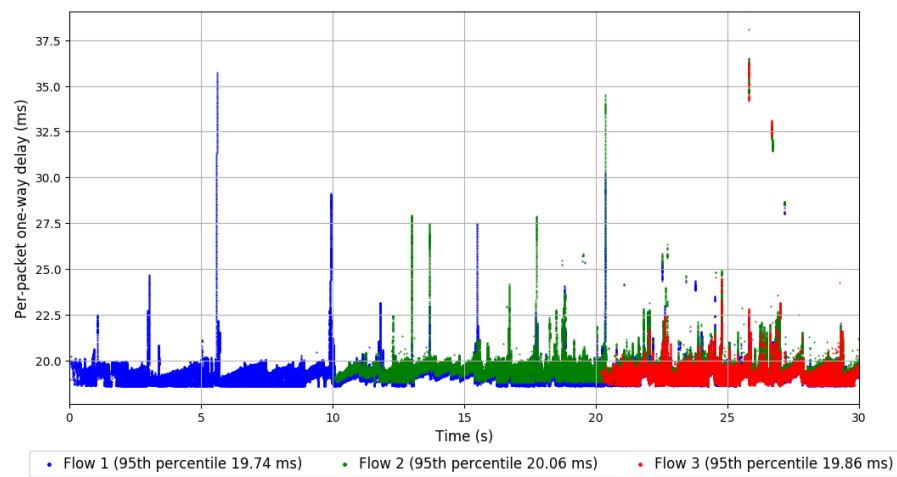
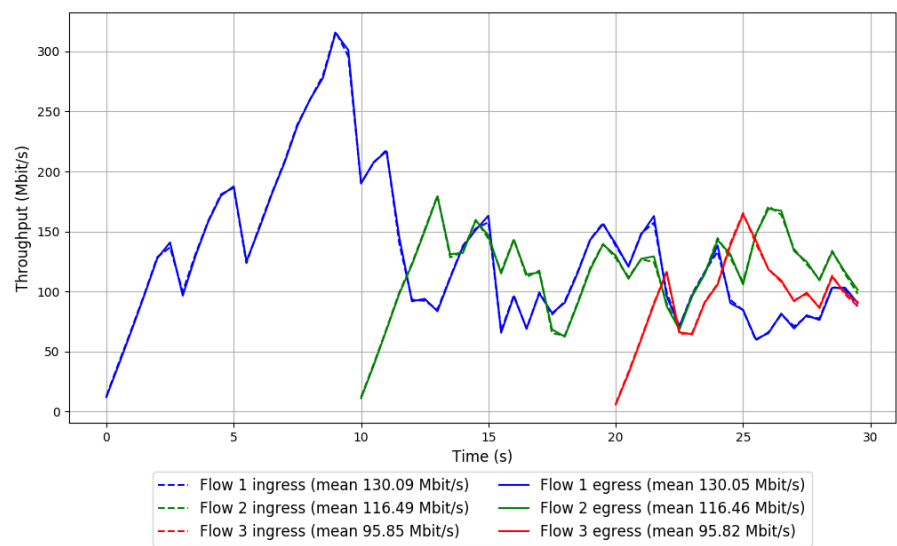
-- Flow 3:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 19.855 ms

Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 29 Jul 2017 04:32:07 +0000

End at: Sat, 29 Jul 2017 04:32:37 +0000

Local clock offset: -0.249 ms

Remote clock offset: -2.113 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:38:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 511.82 Mbit/s

95th percentile per-packet one-way delay: 20.785 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 343.77 Mbit/s

95th percentile per-packet one-way delay: 20.915 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 187.68 Mbit/s

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

Loss rate: 0.16%

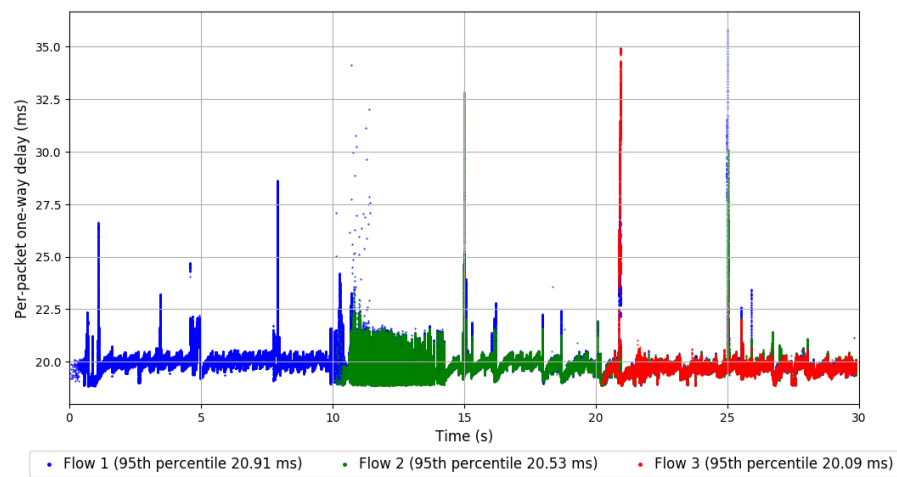
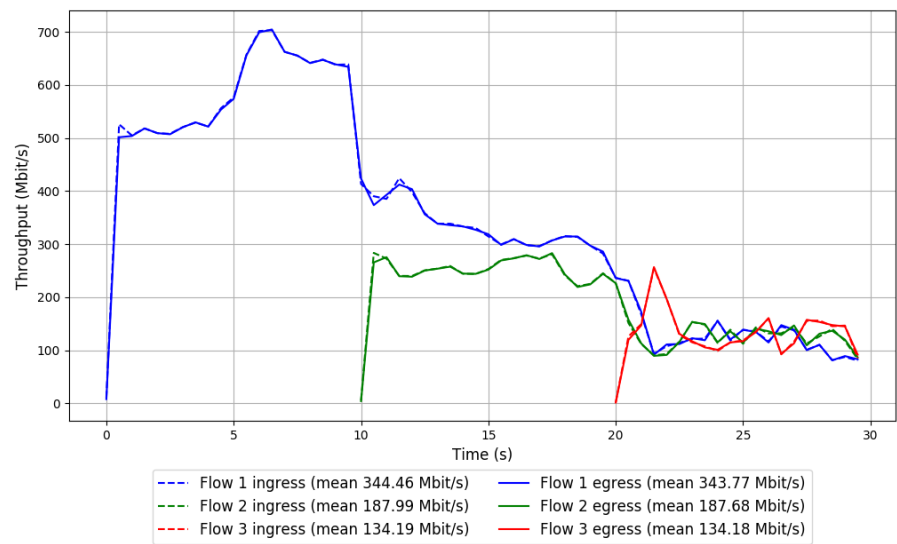
-- Flow 3:

Average throughput: 134.18 Mbit/s

95th percentile per-packet one-way delay: 20.088 ms

Loss rate: 0.00%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 29 Jul 2017 04:52:57 +0000

End at: Sat, 29 Jul 2017 04:53:27 +0000

Local clock offset: 0.101 ms

Remote clock offset: -2.165 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:38:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.51 Mbit/s

95th percentile per-packet one-way delay: 20.356 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 315.35 Mbit/s

95th percentile per-packet one-way delay: 20.433 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 192.56 Mbit/s

95th percentile per-packet one-way delay: 20.143 ms

Loss rate: 0.11%

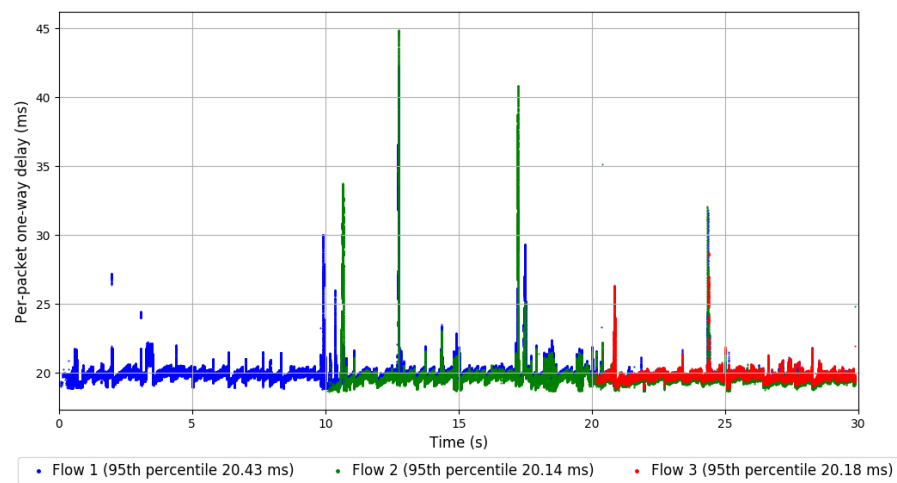
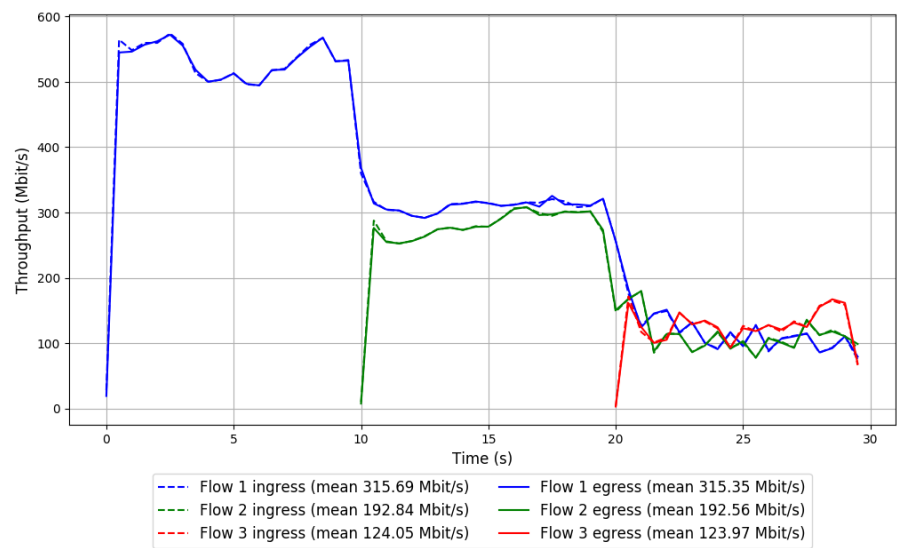
-- Flow 3:

Average throughput: 123.97 Mbit/s

95th percentile per-packet one-way delay: 20.182 ms

Loss rate: 0.06%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:13:41 +0000

End at: Sat, 29 Jul 2017 05:14:11 +0000

Local clock offset: 0.462 ms

Remote clock offset: -1.753 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:39:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 512.99 Mbit/s

95th percentile per-packet one-way delay: 22.084 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 313.80 Mbit/s

95th percentile per-packet one-way delay: 21.574 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 240.58 Mbit/s

95th percentile per-packet one-way delay: 22.452 ms

Loss rate: 0.23%

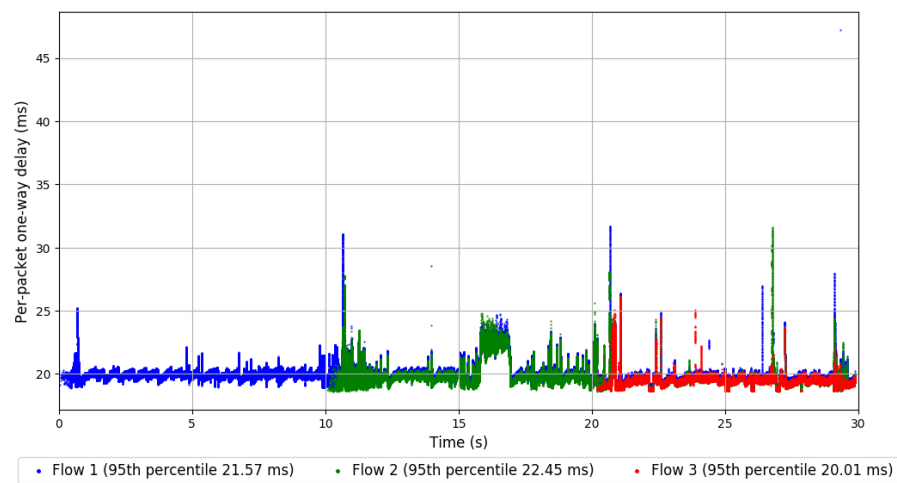
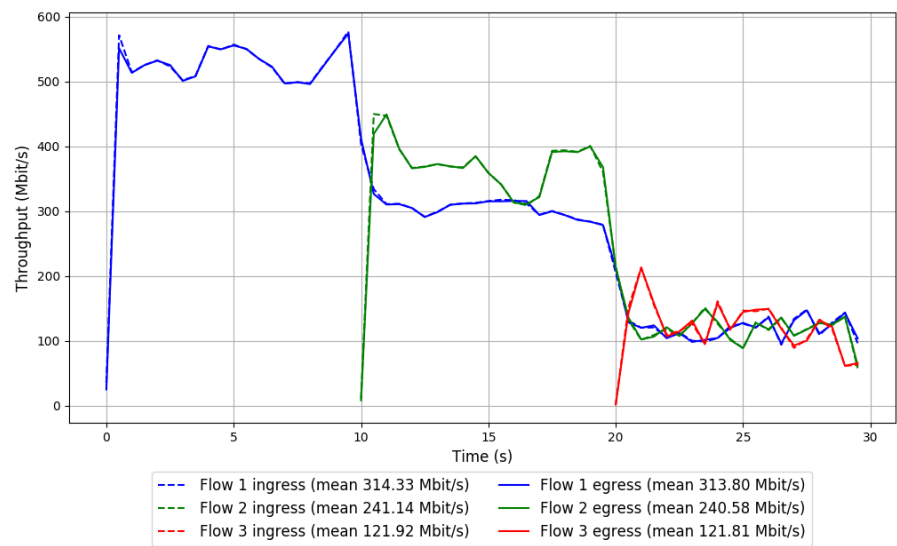
-- Flow 3:

Average throughput: 121.81 Mbit/s

95th percentile per-packet one-way delay: 20.010 ms

Loss rate: 0.09%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:34:28 +0000

End at: Sat, 29 Jul 2017 05:34:58 +0000

Local clock offset: 0.759 ms

Remote clock offset: -1.254 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:39:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.31 Mbit/s

95th percentile per-packet one-way delay: 20.321 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 350.47 Mbit/s

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

Loss rate: 0.20%

-- Flow 2:

Average throughput: 48.00 Mbit/s

95th percentile per-packet one-way delay: 19.723 ms

Loss rate: 0.04%

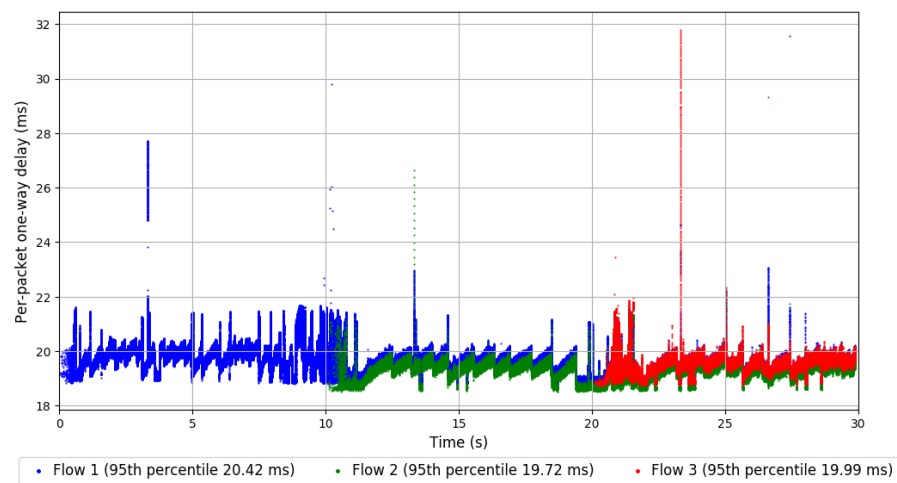
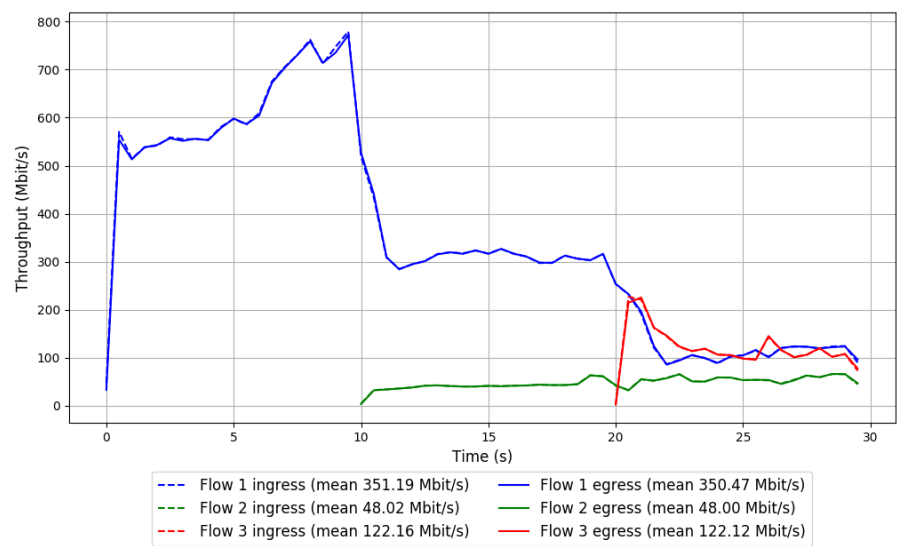
-- Flow 3:

Average throughput: 122.12 Mbit/s

95th percentile per-packet one-way delay: 19.989 ms

Loss rate: 0.03%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:55:15 +0000

End at: Sat, 29 Jul 2017 05:55:45 +0000

Local clock offset: 0.94 ms

Remote clock offset: -1.064 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:40:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 512.43 Mbit/s

95th percentile per-packet one-way delay: 20.423 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 345.89 Mbit/s

95th percentile per-packet one-way delay: 20.449 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 193.85 Mbit/s

95th percentile per-packet one-way delay: 20.359 ms

Loss rate: 0.11%

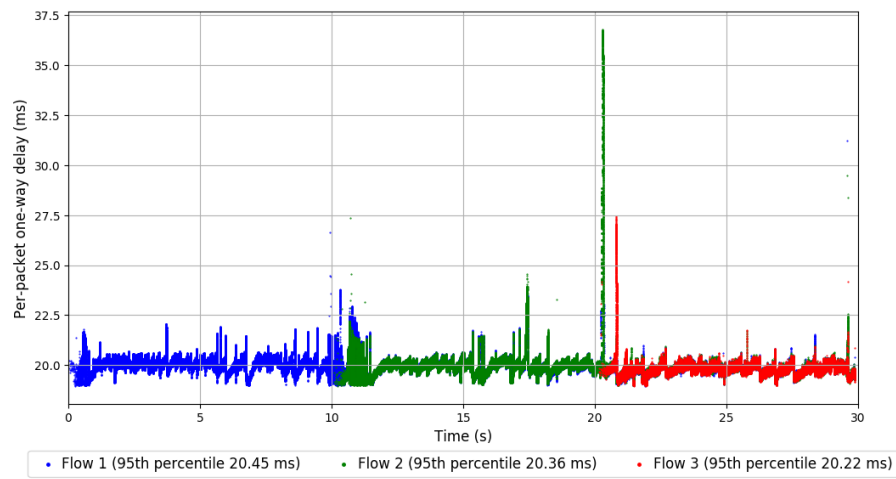
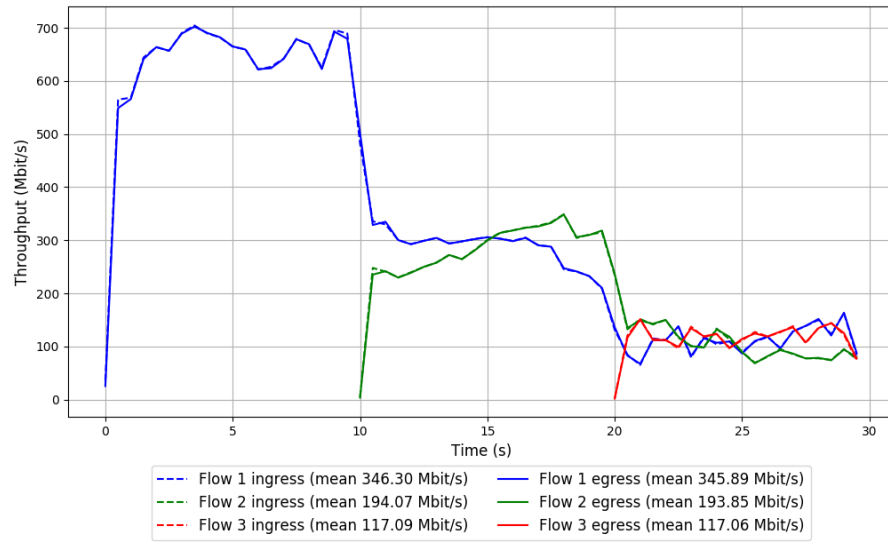
-- Flow 3:

Average throughput: 117.06 Mbit/s

95th percentile per-packet one-way delay: 20.219 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:16:00 +0000

End at: Sat, 29 Jul 2017 06:16:30 +0000

Local clock offset: 1.016 ms

Remote clock offset: -1.294 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:41:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 496.10 Mbit/s

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

Loss rate: 0.15%

-- Flow 1:

Average throughput: 310.59 Mbit/s

95th percentile per-packet one-way delay: 21.326 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 219.91 Mbit/s

95th percentile per-packet one-way delay: 21.130 ms

Loss rate: 0.22%

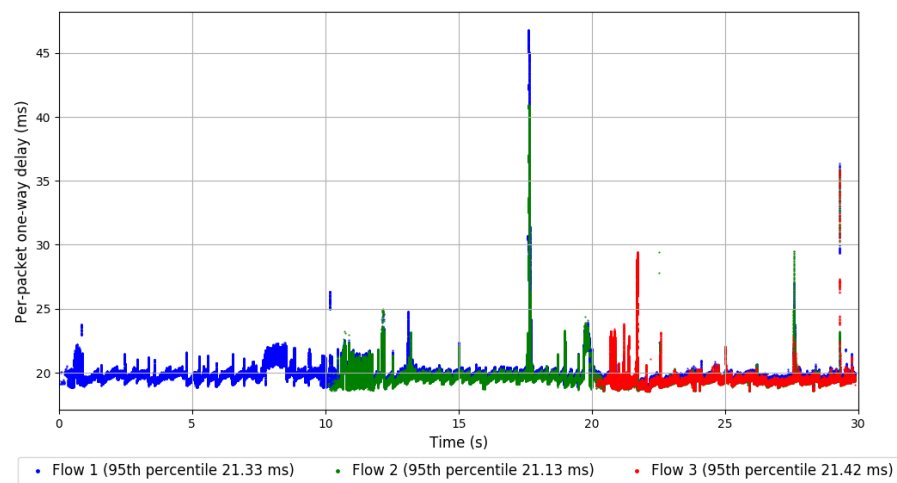
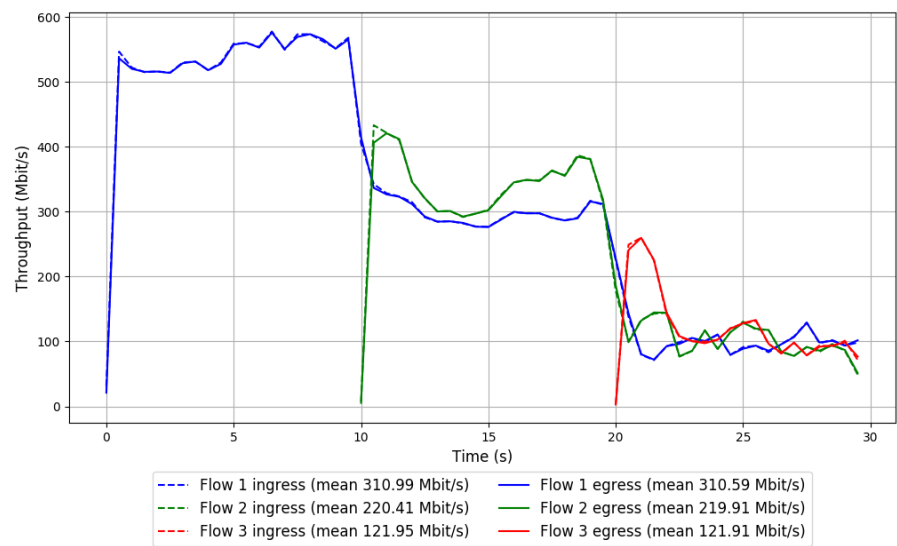
-- Flow 3:

Average throughput: 121.91 Mbit/s

95th percentile per-packet one-way delay: 21.420 ms

Loss rate: 0.04%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:36:49 +0000

End at: Sat, 29 Jul 2017 06:37:19 +0000

Local clock offset: 0.954 ms

Remote clock offset: -1.183 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:41:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 434.22 Mbit/s

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

Loss rate: 0.12%

-- Flow 1:

Average throughput: 322.72 Mbit/s

95th percentile per-packet one-way delay: 20.105 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 112.14 Mbit/s

95th percentile per-packet one-way delay: 20.167 ms

Loss rate: 0.04%

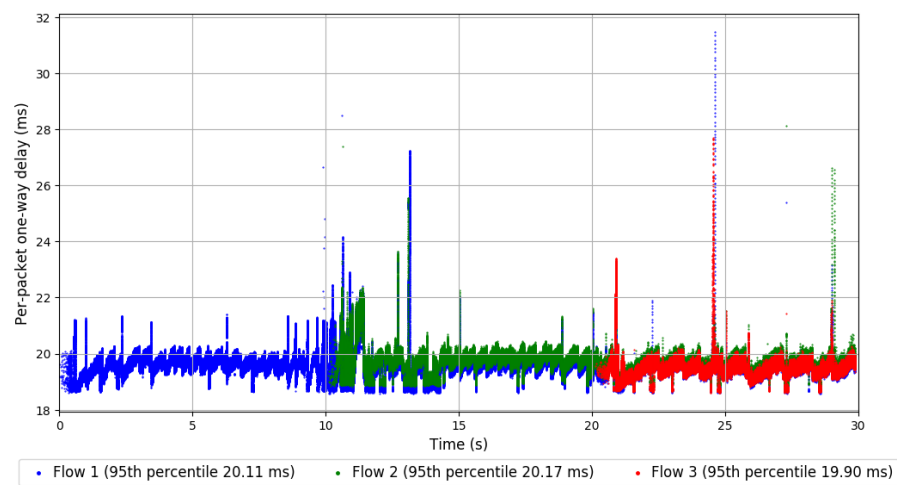
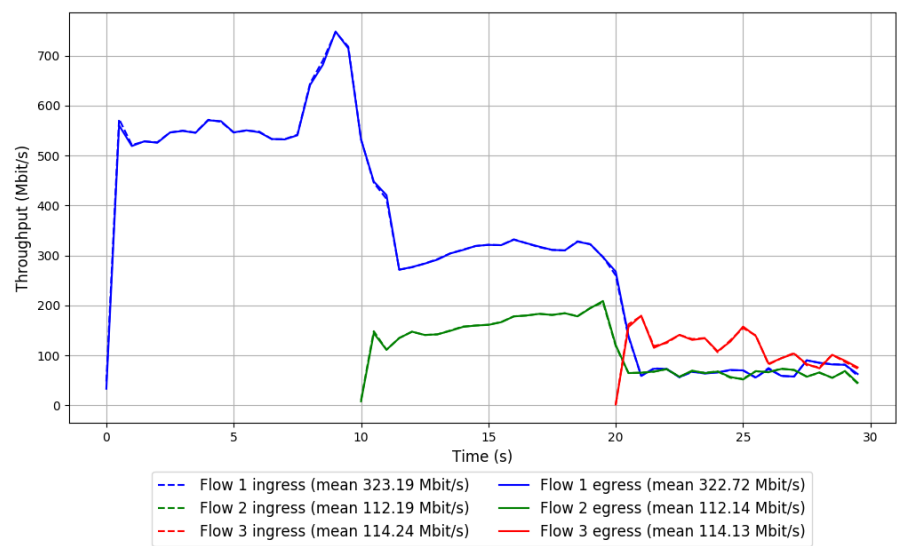
-- Flow 3:

Average throughput: 114.13 Mbit/s

95th percentile per-packet one-way delay: 19.897 ms

Loss rate: 0.10%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:57:28 +0000

End at: Sat, 29 Jul 2017 06:57:58 +0000

Local clock offset: 0.798 ms

Remote clock offset: -1.179 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:42:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 441.89 Mbit/s

95th percentile per-packet one-way delay: 20.693 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 385.83 Mbit/s

95th percentile per-packet one-way delay: 20.756 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 20.209 ms

Loss rate: 0.06%

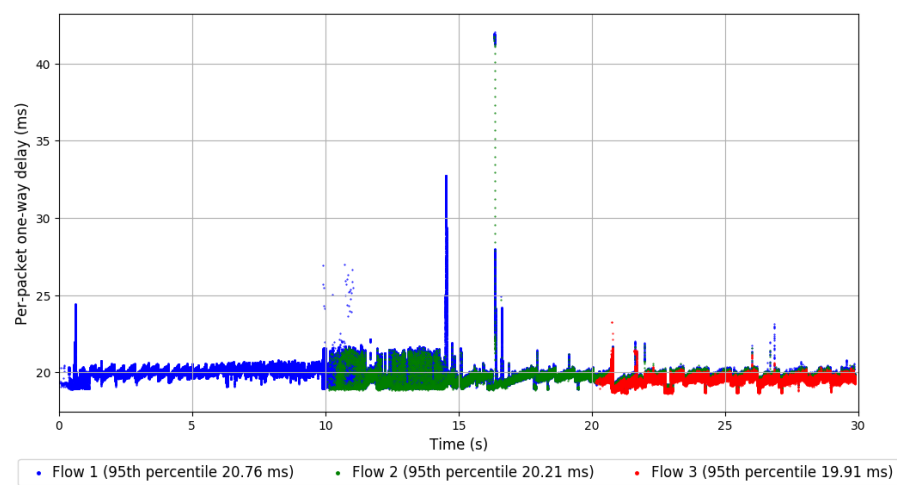
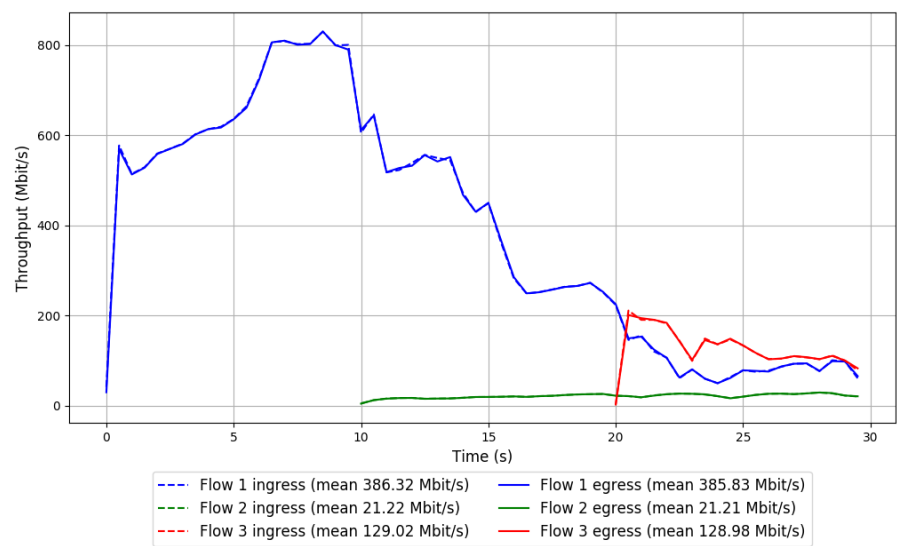
-- Flow 3:

Average throughput: 128.98 Mbit/s

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

Loss rate: 0.04%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:17:58 +0000

End at: Sat, 29 Jul 2017 07:18:28 +0000

Local clock offset: 0.707 ms

Remote clock offset: -1.147 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:42:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.01 Mbit/s

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

Loss rate: 0.45%

-- Flow 1:

Average throughput: 280.19 Mbit/s

95th percentile per-packet one-way delay: 19.052 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 143.80 Mbit/s

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

Loss rate: 0.79%

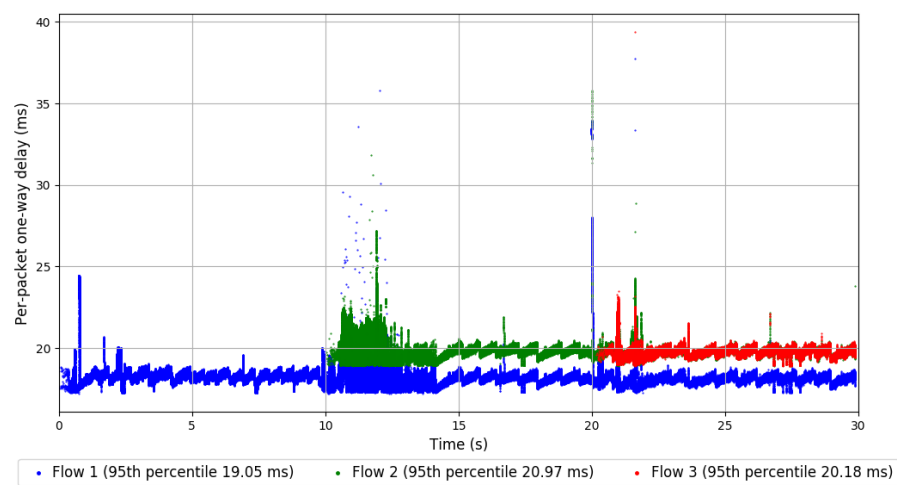
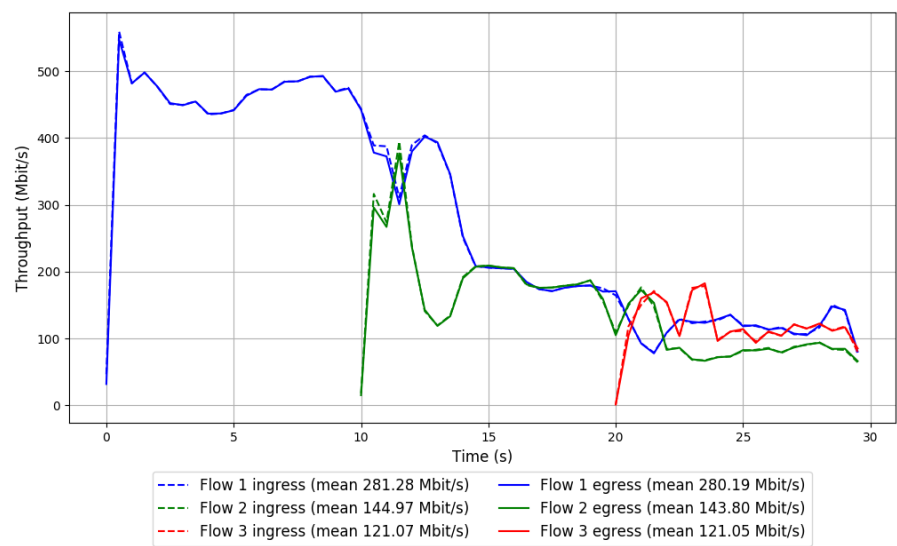
-- Flow 3:

Average throughput: 121.05 Mbit/s

95th percentile per-packet one-way delay: 20.180 ms

Loss rate: 0.02%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:38:39 +0000

End at: Sat, 29 Jul 2017 07:39:09 +0000

Local clock offset: 0.777 ms

Remote clock offset: -1.259 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:43:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.96 Mbit/s

95th percentile per-packet one-way delay: 20.880 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 336.42 Mbit/s

95th percentile per-packet one-way delay: 20.978 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 194.79 Mbit/s

95th percentile per-packet one-way delay: 20.388 ms

Loss rate: 0.10%

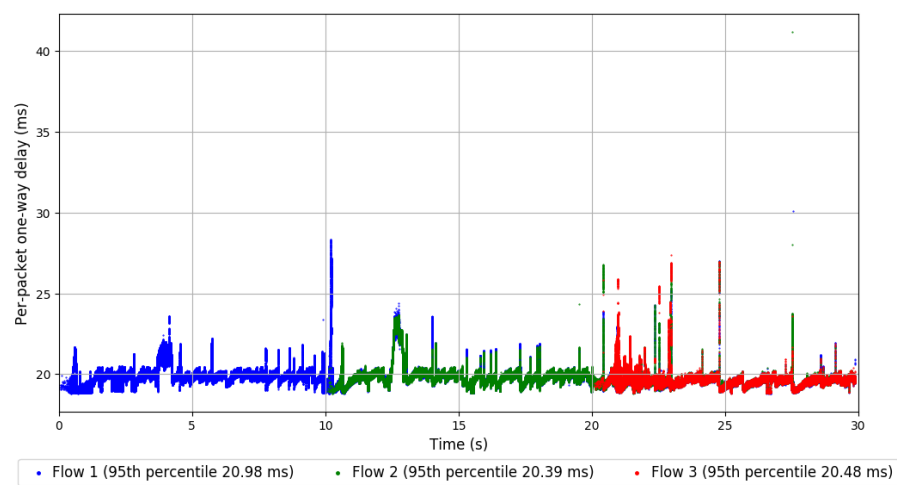
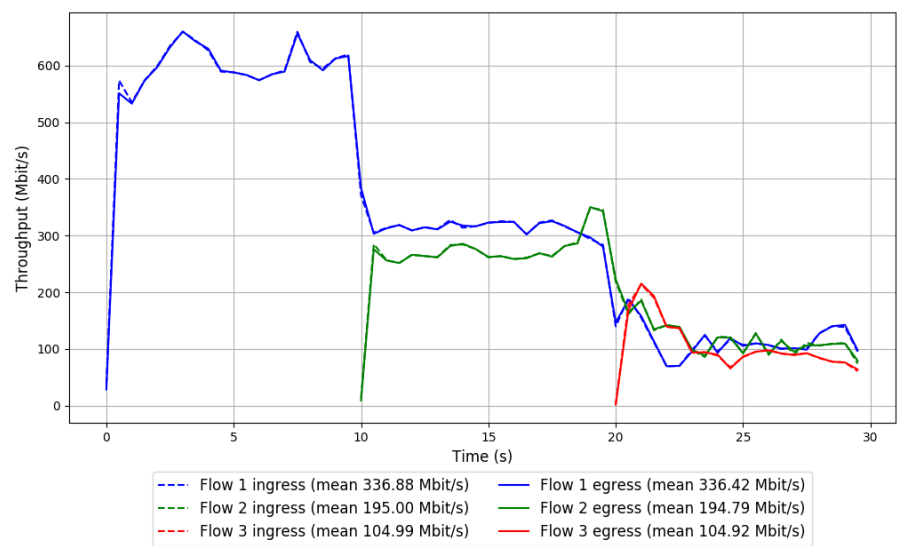
-- Flow 3:

Average throughput: 104.92 Mbit/s

95th percentile per-packet one-way delay: 20.475 ms

Loss rate: 0.06%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 04:35:03 +0000

End at: Sat, 29 Jul 2017 04:35:33 +0000

Local clock offset: -0.271 ms

Remote clock offset: -2.14 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:43:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.69 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.29 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 20.357 ms

Loss rate: 0.00%

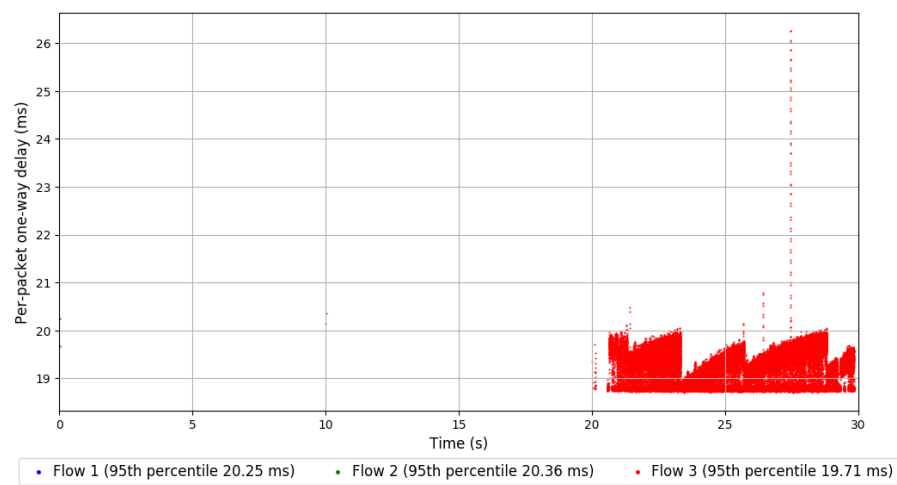
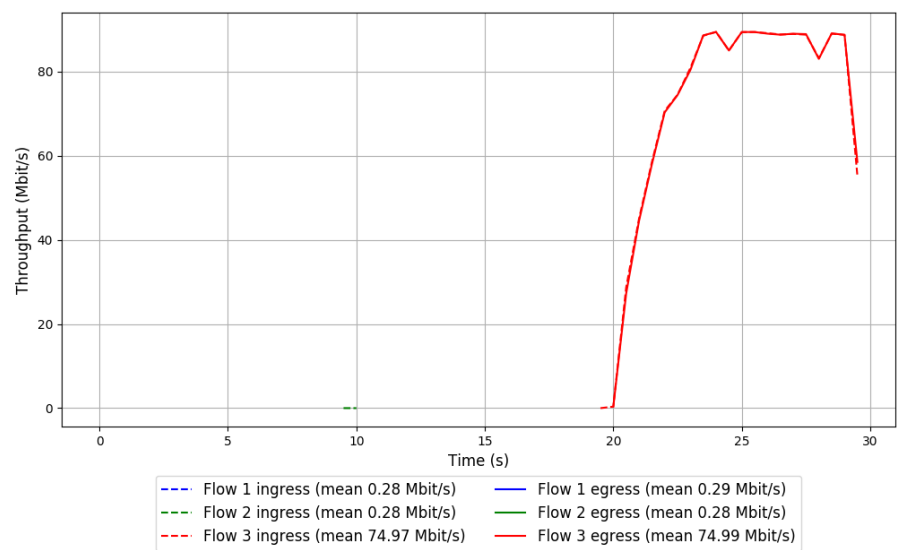
-- Flow 3:

Average throughput: 74.99 Mbit/s

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

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

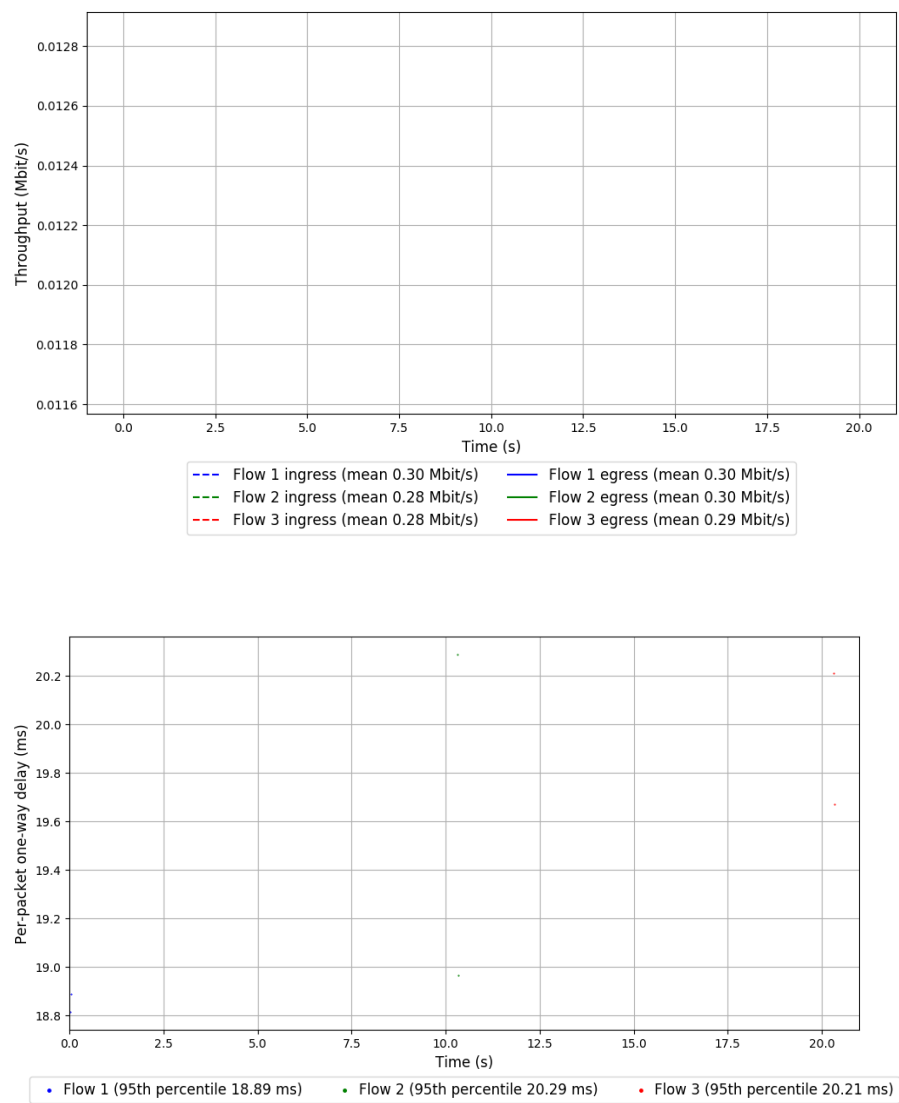
Start at: Sat, 29 Jul 2017 04:55:51 +0000

End at: Sat, 29 Jul 2017 04:56:21 +0000

Local clock offset: 0.053 ms

Remote clock offset: -2.199 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 05:16:38 +0000

End at: Sat, 29 Jul 2017 05:17:08 +0000

Local clock offset: 0.408 ms

Remote clock offset: -1.652 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:43:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.93 Mbit/s

95th percentile per-packet one-way delay: 20.080 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 19.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 845.464 ms

Loss rate: 0.00%

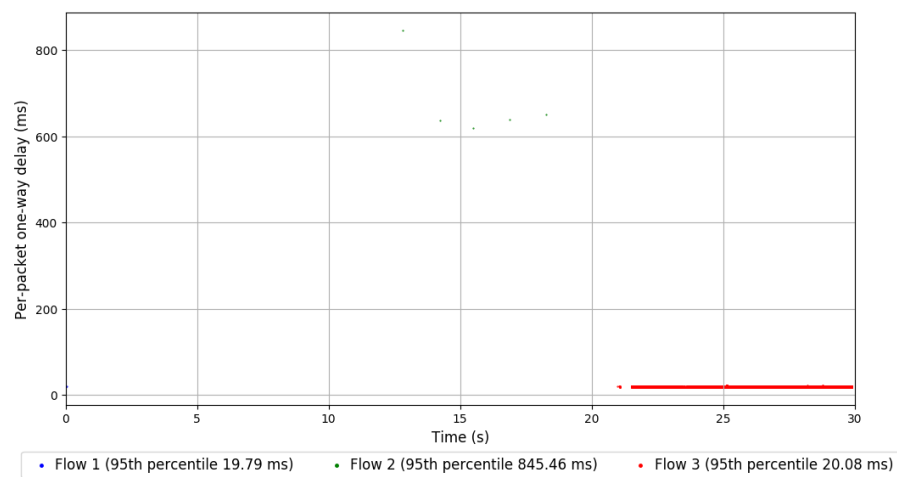
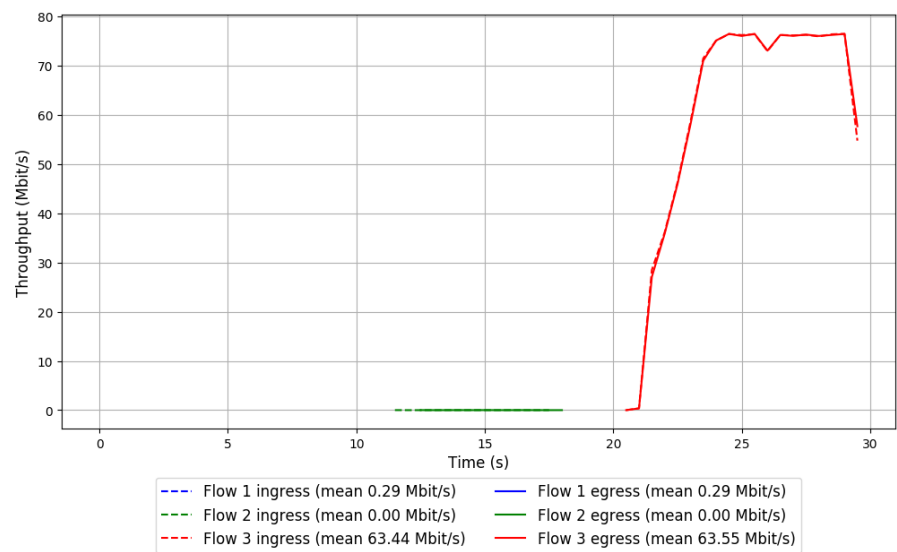
-- Flow 3:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 20.080 ms

Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 05:37:20 +0000

End at: Sat, 29 Jul 2017 05:37:50 +0000

Local clock offset: 0.823 ms

Remote clock offset: -1.045 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:43:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.87 Mbit/s

95th percentile per-packet one-way delay: 19.763 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 17.921 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 432.245 ms

Loss rate: 0.00%

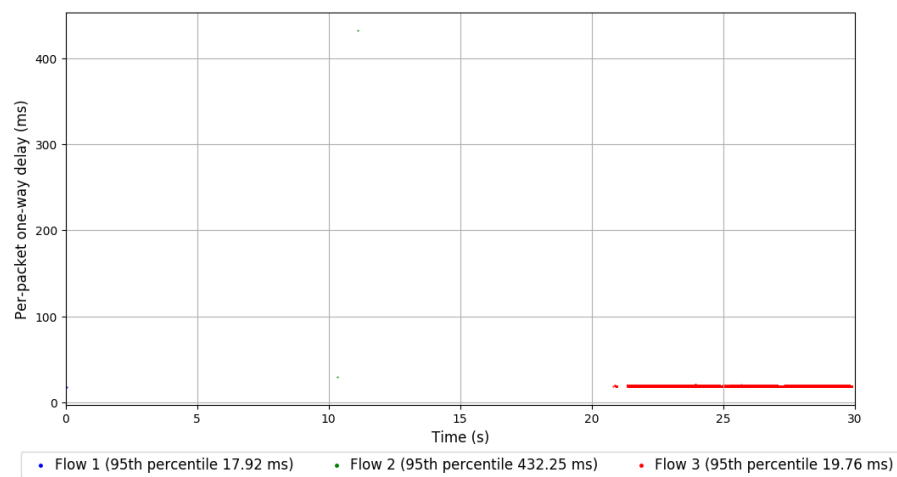
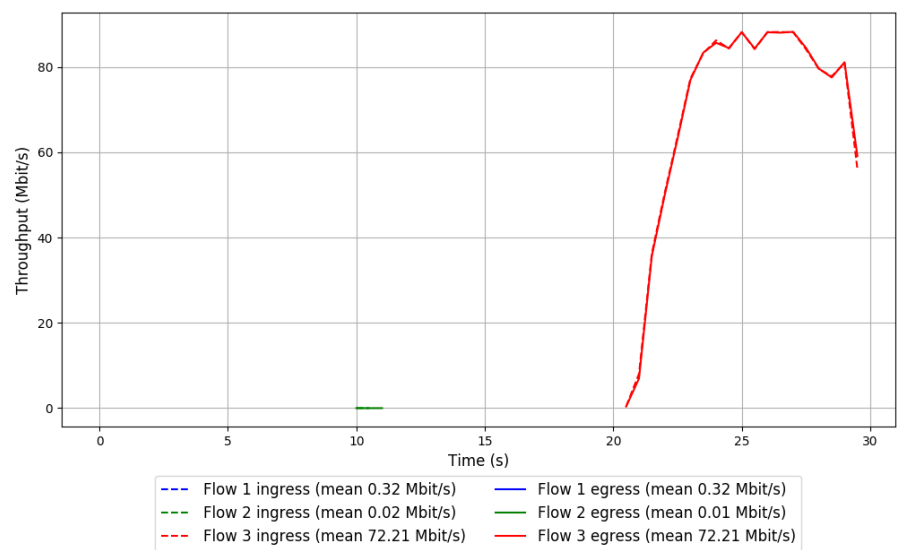
-- Flow 3:

Average throughput: 72.21 Mbit/s

95th percentile per-packet one-way delay: 19.763 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

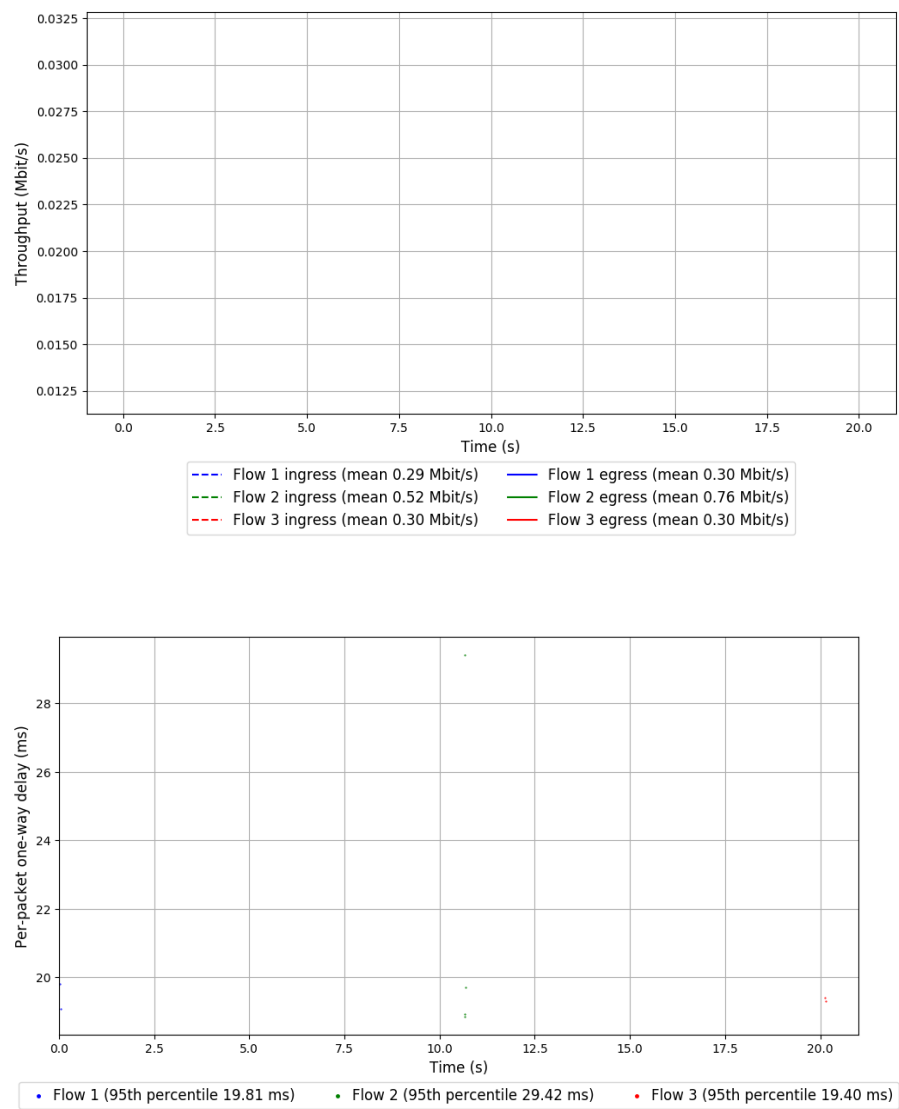
Start at: Sat, 29 Jul 2017 05:58:10 +0000

End at: Sat, 29 Jul 2017 05:58:40 +0000

Local clock offset: 0.985 ms

Remote clock offset: -1.102 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

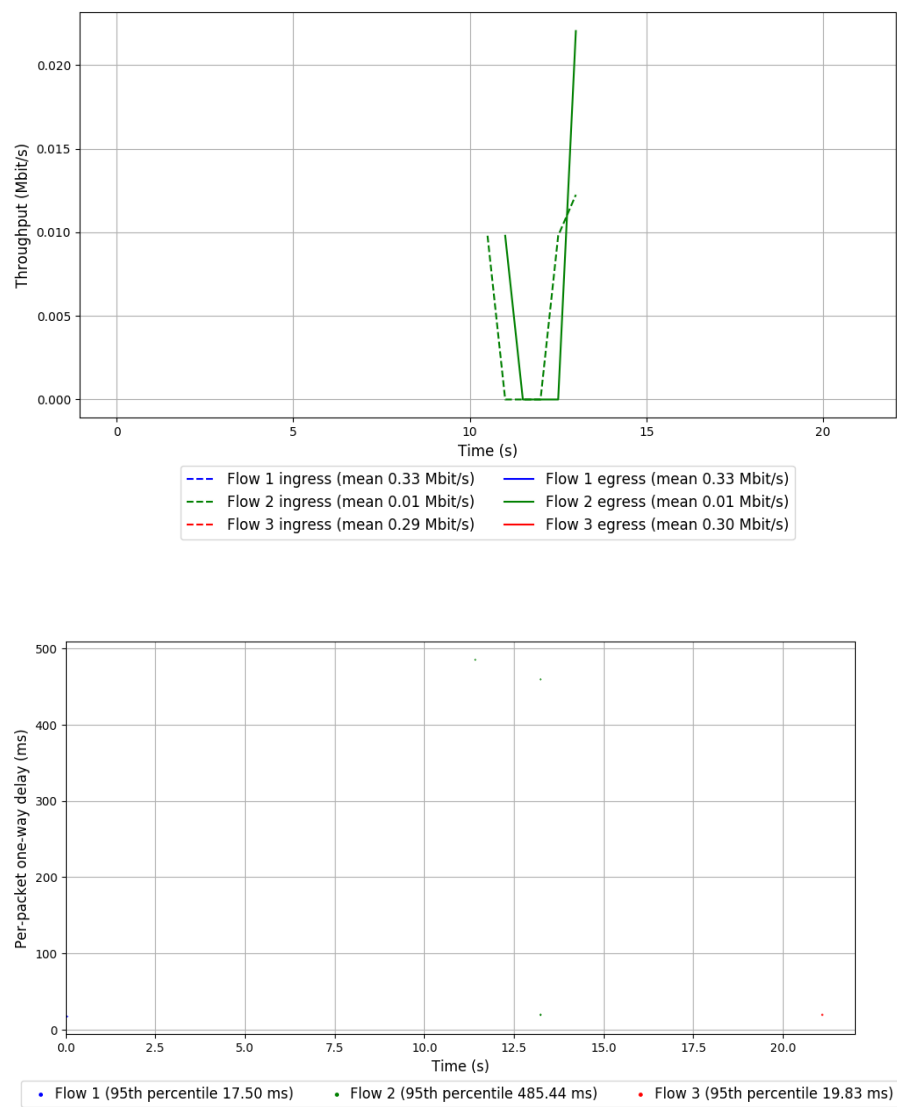
Start at: Sat, 29 Jul 2017 06:18:55 +0000

End at: Sat, 29 Jul 2017 06:19:25 +0000

Local clock offset: 0.893 ms

Remote clock offset: -1.275 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

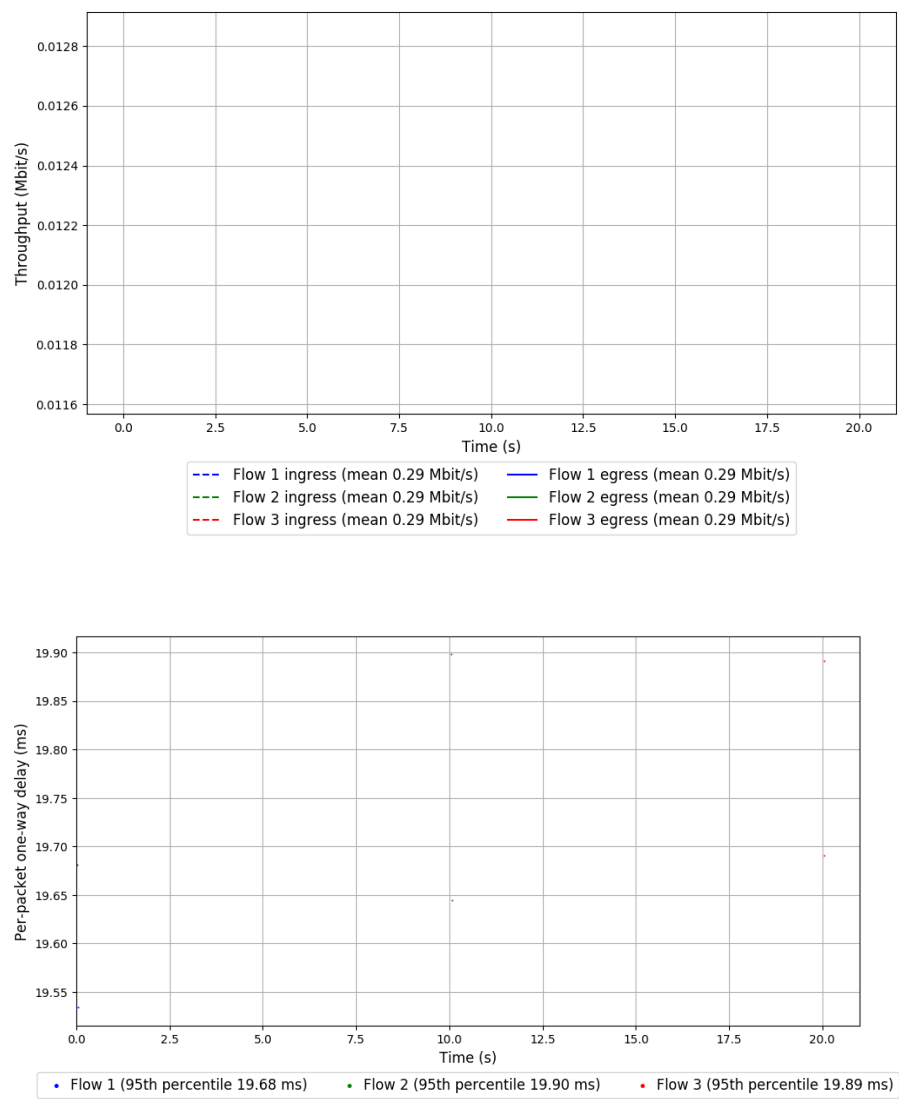
Start at: Sat, 29 Jul 2017 06:39:42 +0000

End at: Sat, 29 Jul 2017 06:40:12 +0000

Local clock offset: 0.947 ms

Remote clock offset: -1.142 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

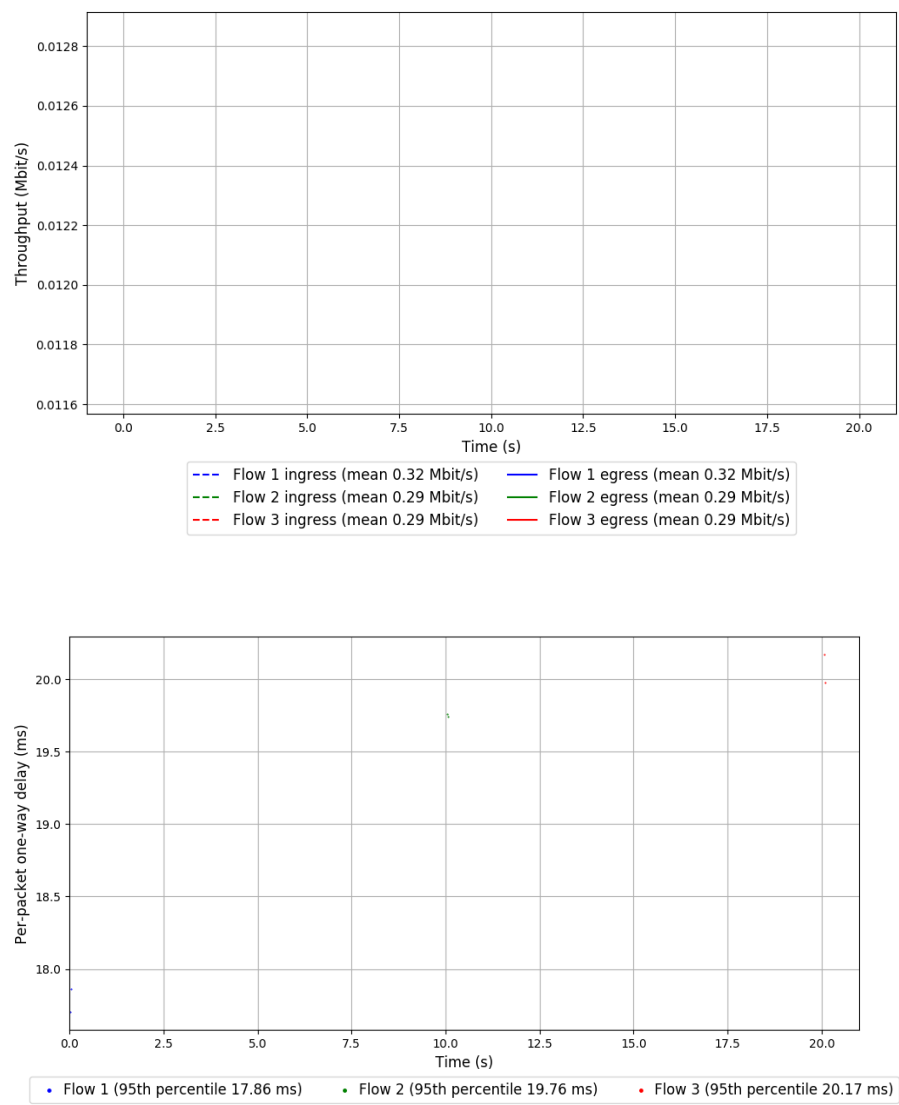
Start at: Sat, 29 Jul 2017 07:00:18 +0000

End at: Sat, 29 Jul 2017 07:00:48 +0000

Local clock offset: 0.77 ms

Remote clock offset: -1.166 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

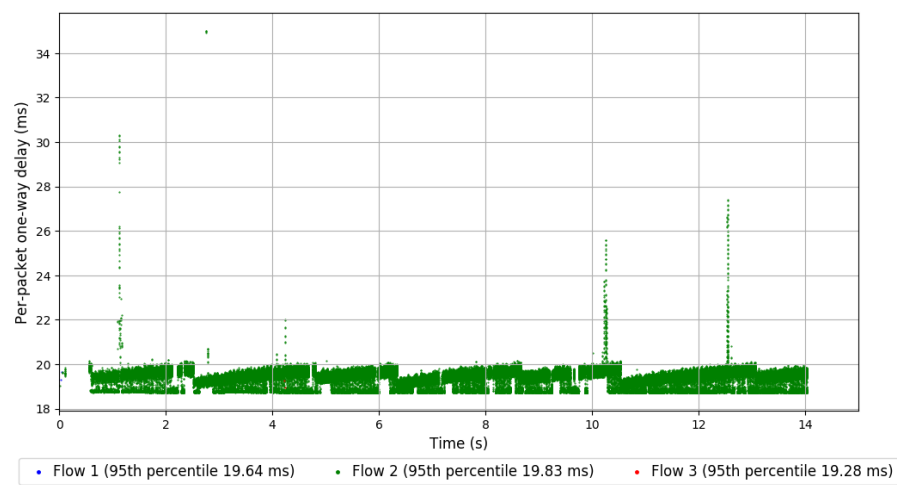
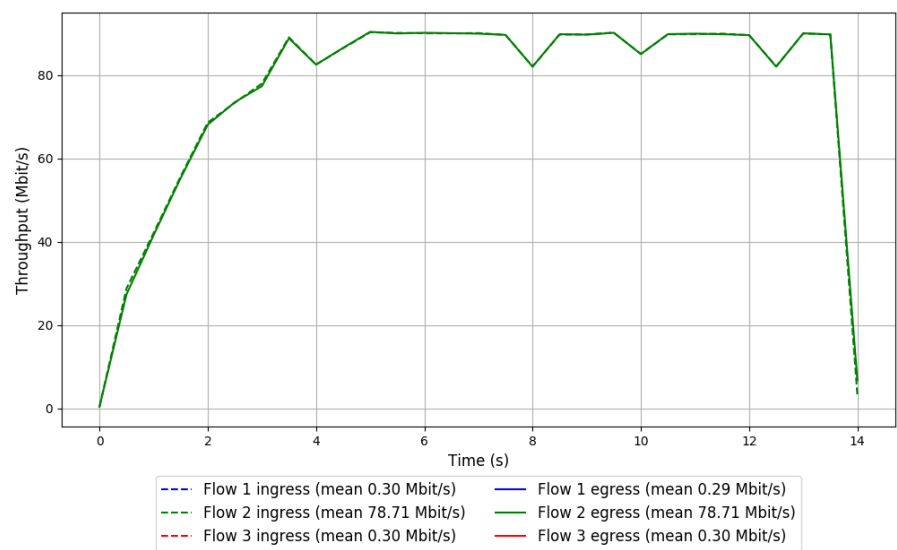
Start at: Sat, 29 Jul 2017 07:20:51 +0000

End at: Sat, 29 Jul 2017 07:21:21 +0000

Local clock offset: 0.693 ms

Remote clock offset: -1.204 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

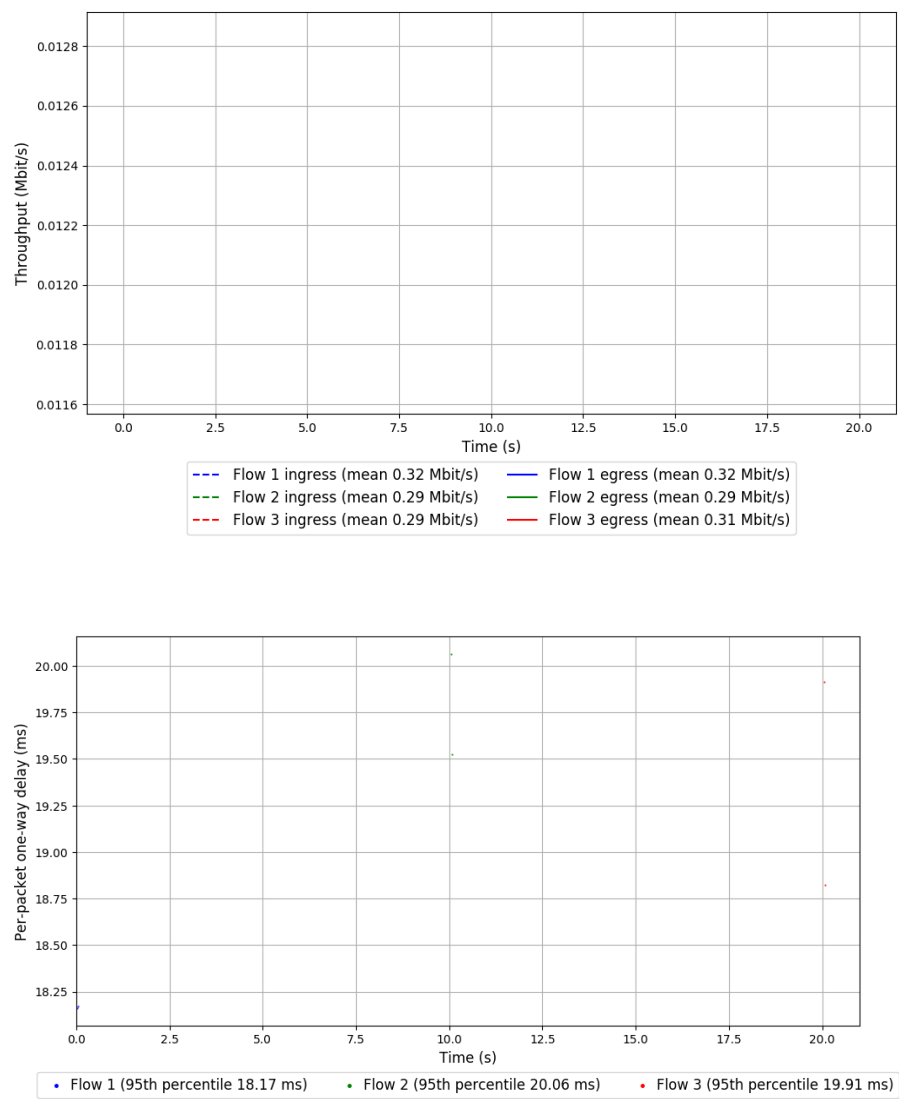
Start at: Sat, 29 Jul 2017 07:41:34 +0000

End at: Sat, 29 Jul 2017 07:42:04 +0000

Local clock offset: 0.663 ms

Remote clock offset: -1.125 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sat, 29 Jul 2017 04:28:49 +0000

End at: Sat, 29 Jul 2017 04:29:19 +0000

Local clock offset: -0.299 ms

Remote clock offset: -2.042 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:43:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.81 Mbit/s

95th percentile per-packet one-way delay: 20.088 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 114.49 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 114.49 Mbit/s

95th percentile per-packet one-way delay: 20.117 ms

Loss rate: 0.01%

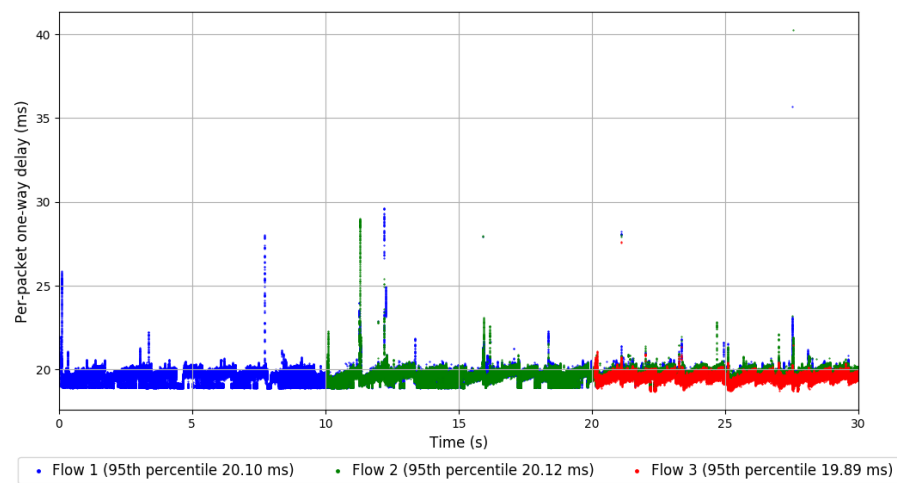
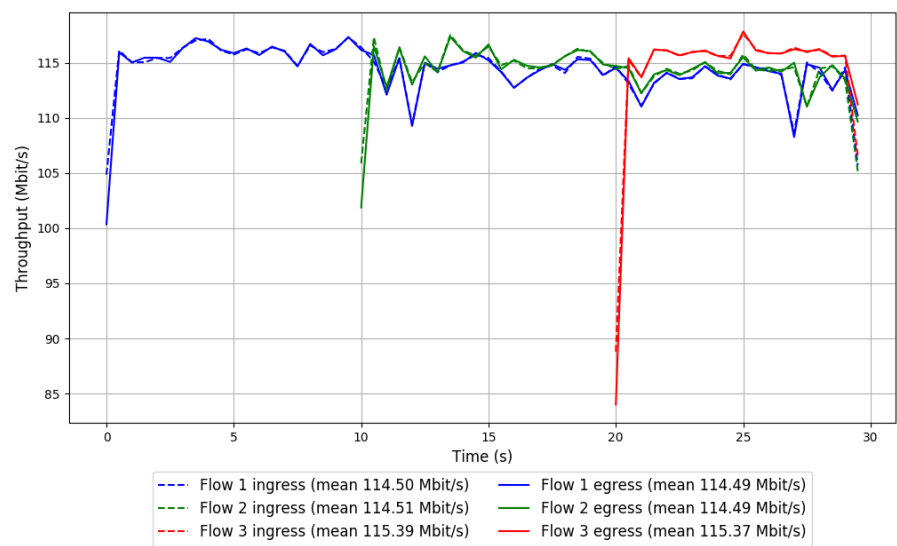
-- Flow 3:

Average throughput: 115.37 Mbit/s

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

Loss rate: 0.01%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 29 Jul 2017 04:49:40 +0000

End at: Sat, 29 Jul 2017 04:50:10 +0000

Local clock offset: 0.047 ms

Remote clock offset: -2.15 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:43:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.32 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 114.85 Mbit/s

95th percentile per-packet one-way delay: 20.045 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 115.90 Mbit/s

95th percentile per-packet one-way delay: 19.875 ms

Loss rate: 0.01%

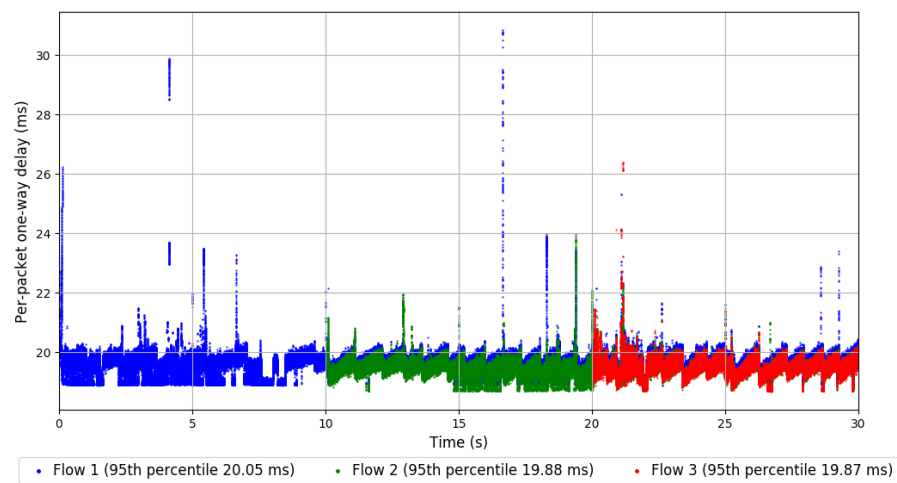
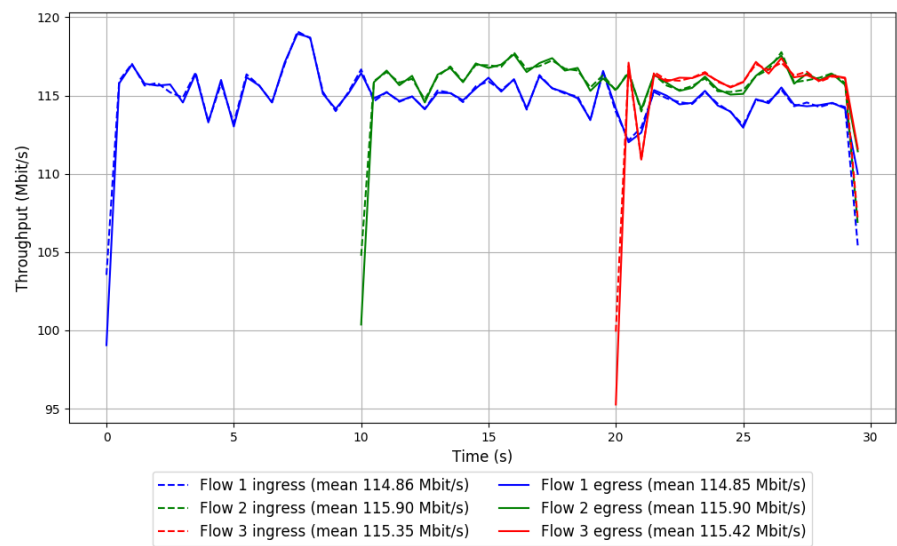
-- Flow 3:

Average throughput: 115.42 Mbit/s

95th percentile per-packet one-way delay: 19.874 ms

Loss rate: 0.00%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:10:24 +0000

End at: Sat, 29 Jul 2017 05:10:54 +0000

Local clock offset: 0.392 ms

Remote clock offset: -1.782 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:44:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.66 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 115.27 Mbit/s

95th percentile per-packet one-way delay: 20.034 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.88 Mbit/s

95th percentile per-packet one-way delay: 19.853 ms

Loss rate: 0.01%

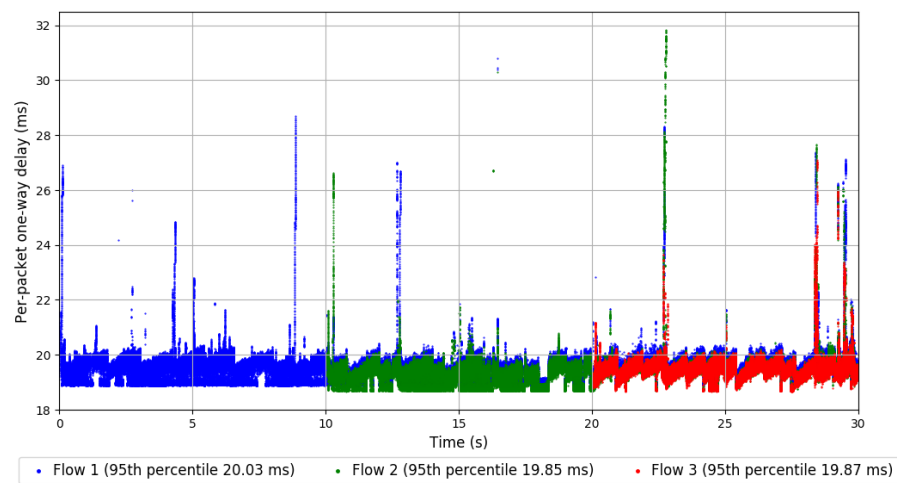
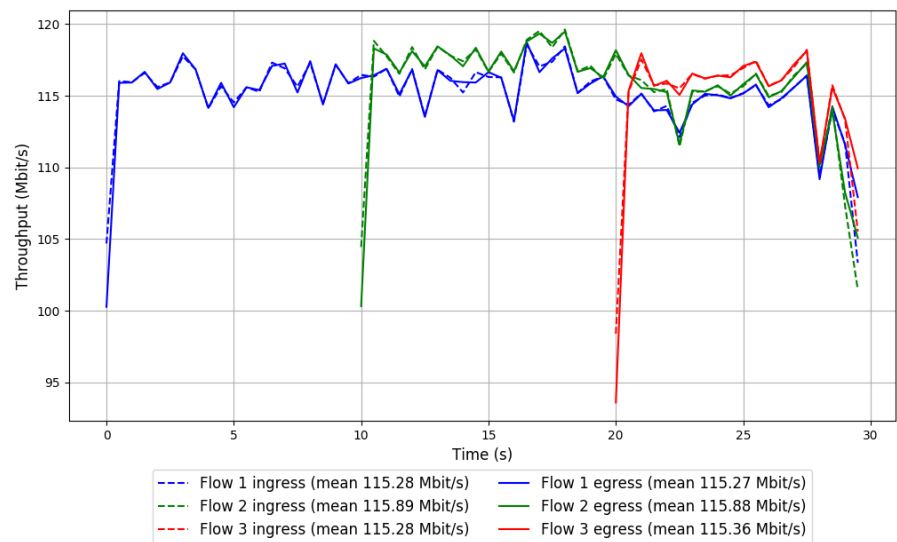
-- Flow 3:

Average throughput: 115.36 Mbit/s

95th percentile per-packet one-way delay: 19.873 ms

Loss rate: 0.01%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:31:12 +0000

End at: Sat, 29 Jul 2017 05:31:42 +0000

Local clock offset: 0.65 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:44:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.34 Mbit/s

95th percentile per-packet one-way delay: 20.078 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 115.13 Mbit/s

95th percentile per-packet one-way delay: 20.068 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 114.24 Mbit/s

95th percentile per-packet one-way delay: 20.089 ms

Loss rate: 0.01%

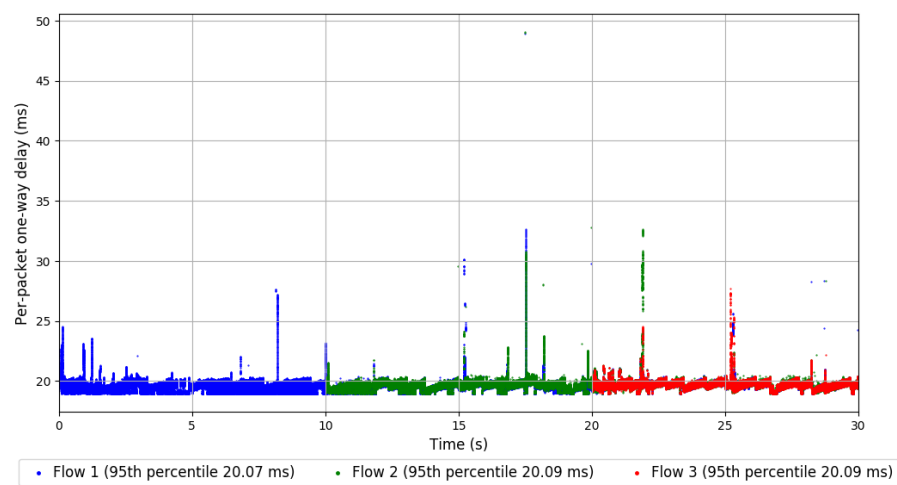
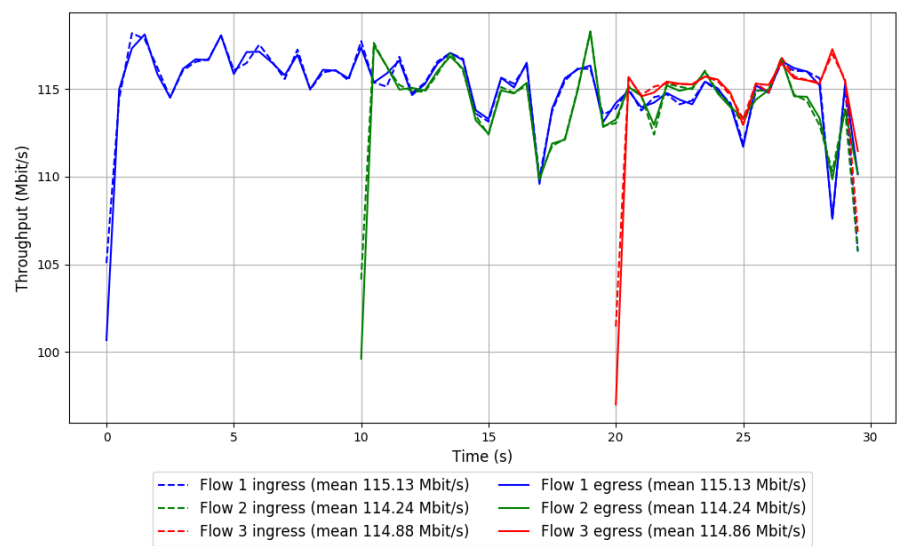
-- Flow 3:

Average throughput: 114.86 Mbit/s

95th percentile per-packet one-way delay: 20.086 ms

Loss rate: 0.01%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:51:57 +0000

End at: Sat, 29 Jul 2017 05:52:27 +0000

Local clock offset: 0.919 ms

Remote clock offset: -1.167 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:44:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.02 Mbit/s

95th percentile per-packet one-way delay: 18.448 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 124.70 Mbit/s

95th percentile per-packet one-way delay: 18.467 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 125.21 Mbit/s

95th percentile per-packet one-way delay: 18.418 ms

Loss rate: 0.01%

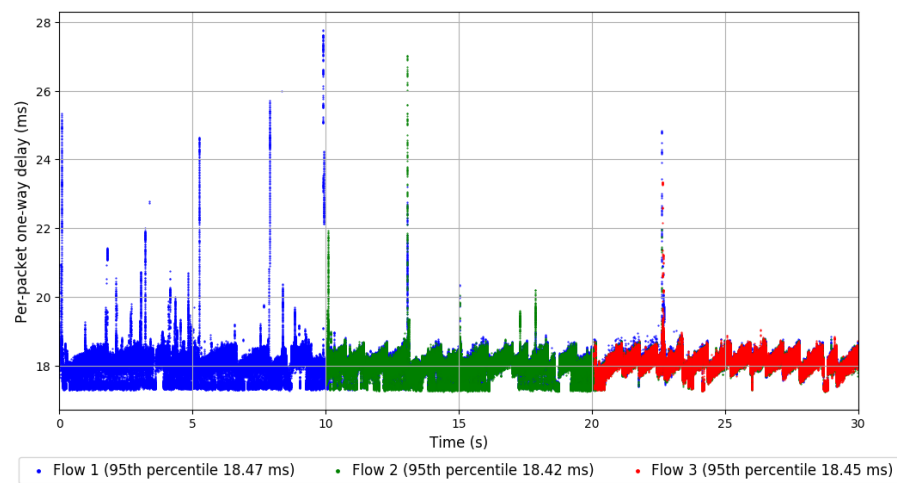
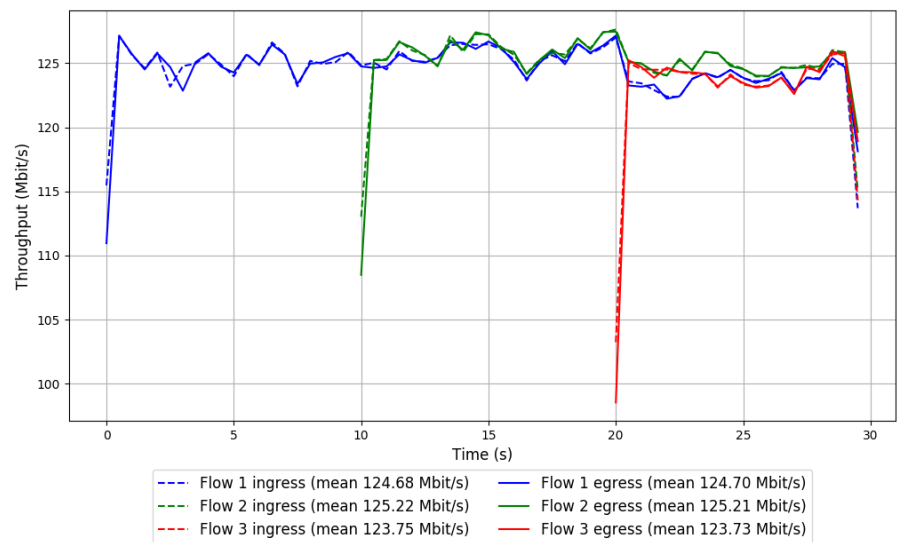
-- Flow 3:

Average throughput: 123.73 Mbit/s

95th percentile per-packet one-way delay: 18.448 ms

Loss rate: 0.01%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:12:43 +0000

End at: Sat, 29 Jul 2017 06:13:13 +0000

Local clock offset: 1.026 ms

Remote clock offset: -1.224 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:44:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.26 Mbit/s

95th percentile per-packet one-way delay: 19.949 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 114.87 Mbit/s

95th percentile per-packet one-way delay: 20.028 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 115.71 Mbit/s

95th percentile per-packet one-way delay: 19.791 ms

Loss rate: 0.02%

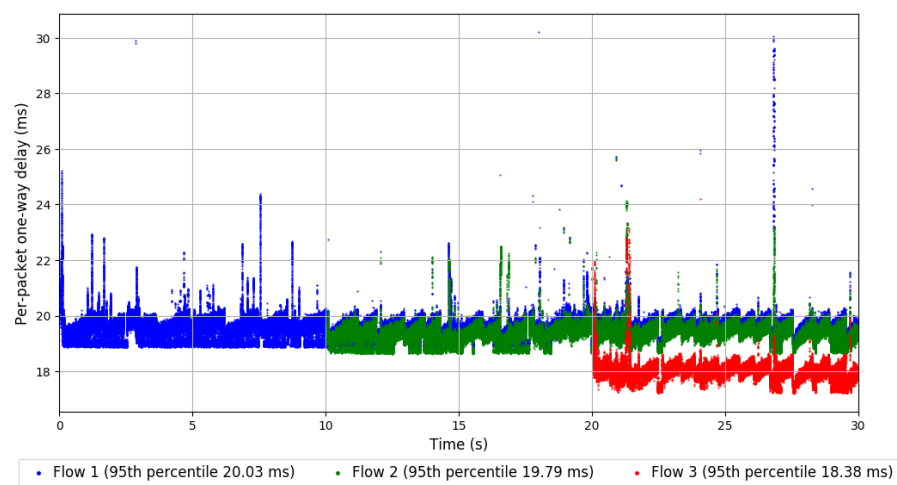
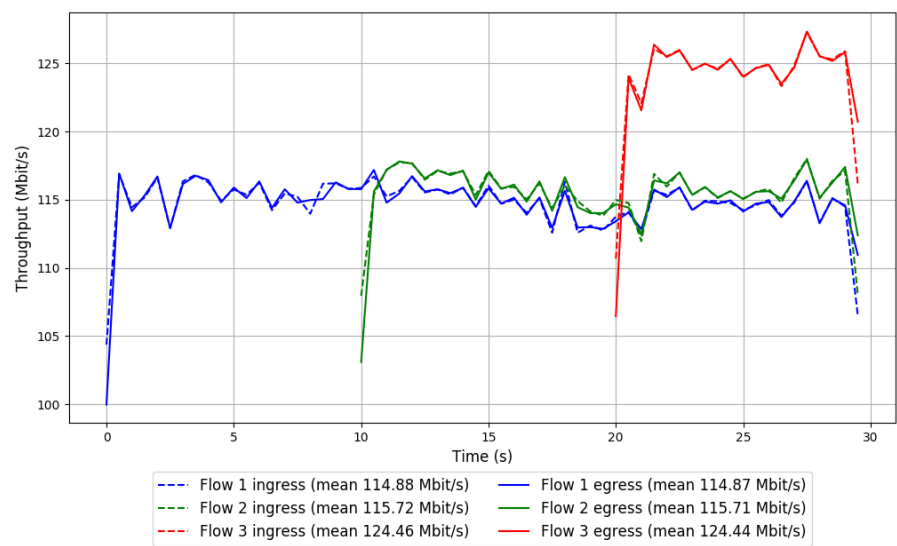
-- Flow 3:

Average throughput: 124.44 Mbit/s

95th percentile per-packet one-way delay: 18.376 ms

Loss rate: 0.01%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:33:34 +0000

End at: Sat, 29 Jul 2017 06:34:04 +0000

Local clock offset: 0.979 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.40 Mbit/s

95th percentile per-packet one-way delay: 19.739 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 125.07 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 125.15 Mbit/s

95th percentile per-packet one-way delay: 18.338 ms

Loss rate: 0.02%

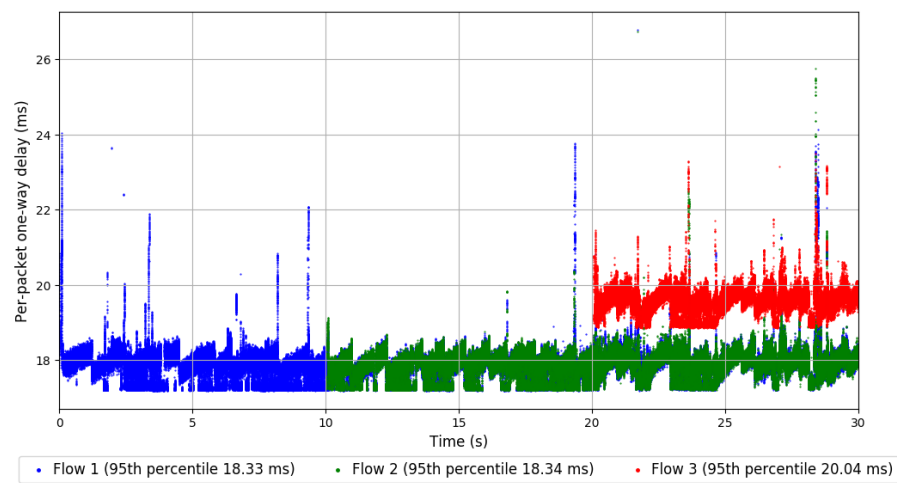
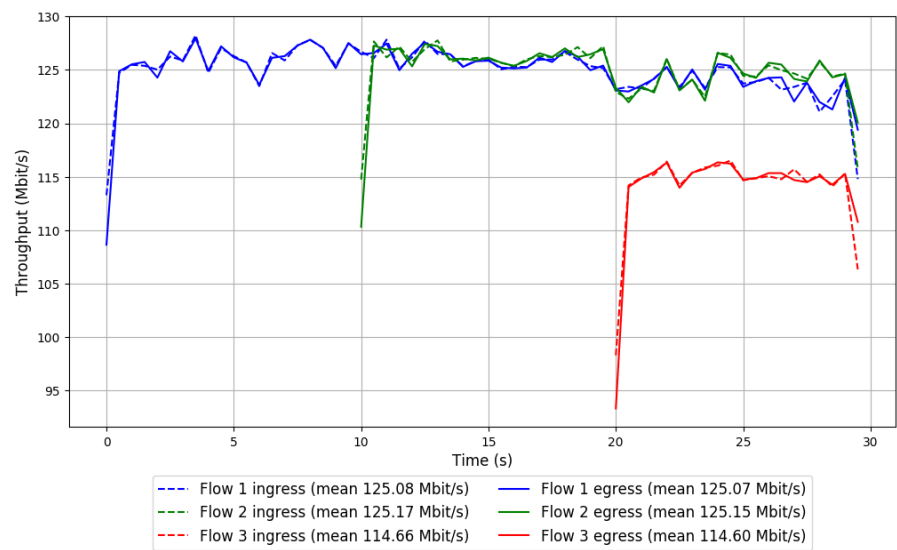
-- Flow 3:

Average throughput: 114.60 Mbit/s

95th percentile per-packet one-way delay: 20.041 ms

Loss rate: 0.05%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:54:12 +0000

End at: Sat, 29 Jul 2017 06:54:42 +0000

Local clock offset: 0.8 ms

Remote clock offset: -1.245 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.69 Mbit/s

95th percentile per-packet one-way delay: 20.036 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 115.73 Mbit/s

95th percentile per-packet one-way delay: 20.047 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.57 Mbit/s

95th percentile per-packet one-way delay: 19.983 ms

Loss rate: 0.01%

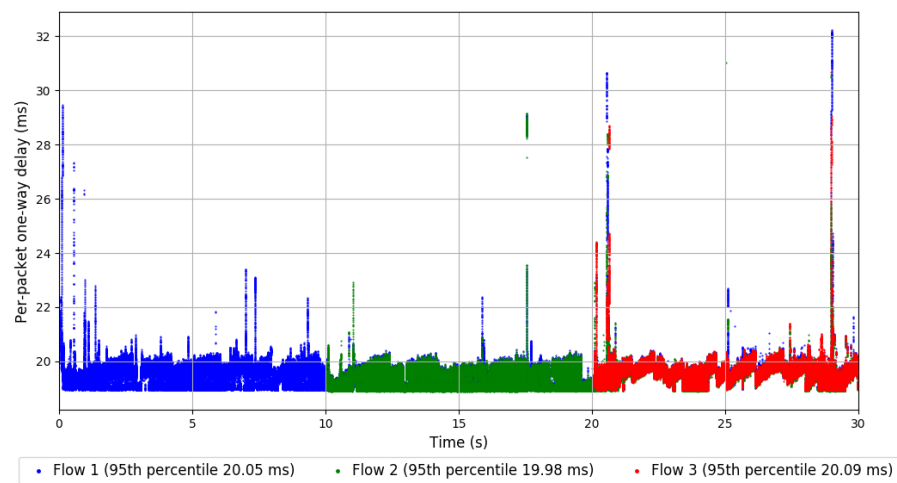
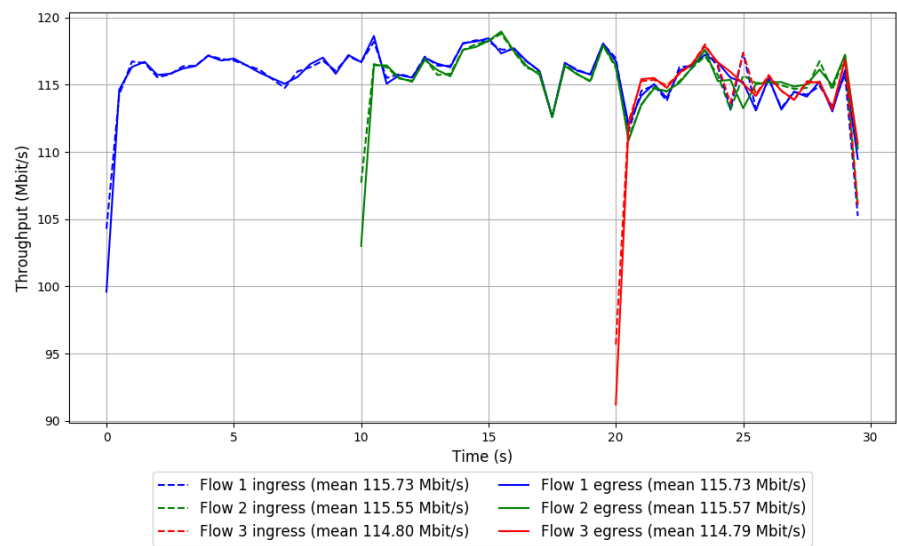
-- Flow 3:

Average throughput: 114.79 Mbit/s

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

Loss rate: 0.01%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:14:44 +0000

End at: Sat, 29 Jul 2017 07:15:14 +0000

Local clock offset: 0.804 ms

Remote clock offset: -1.076 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.59 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 116.60 Mbit/s

95th percentile per-packet one-way delay: 19.793 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 114.75 Mbit/s

95th percentile per-packet one-way delay: 20.043 ms

Loss rate: 0.00%

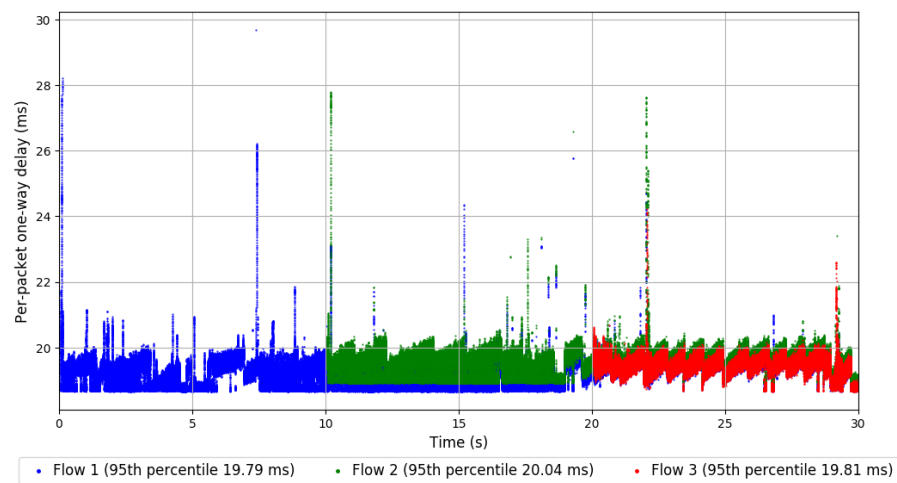
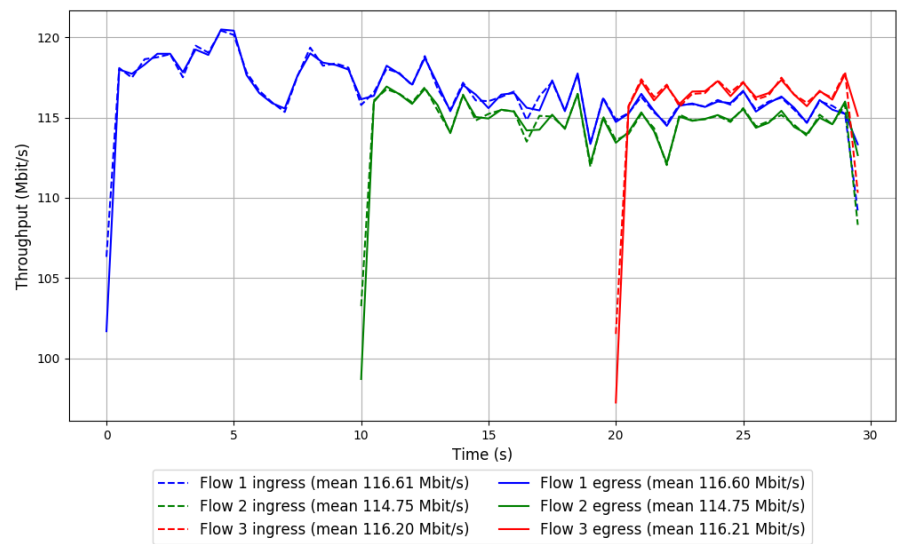
-- Flow 3:

Average throughput: 116.21 Mbit/s

95th percentile per-packet one-way delay: 19.812 ms

Loss rate: 0.01%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:35:24 +0000

End at: Sat, 29 Jul 2017 07:35:54 +0000

Local clock offset: 0.657 ms

Remote clock offset: -1.288 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.30 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 116.79 Mbit/s

95th percentile per-packet one-way delay: 19.980 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 115.99 Mbit/s

95th percentile per-packet one-way delay: 19.950 ms

Loss rate: 0.01%

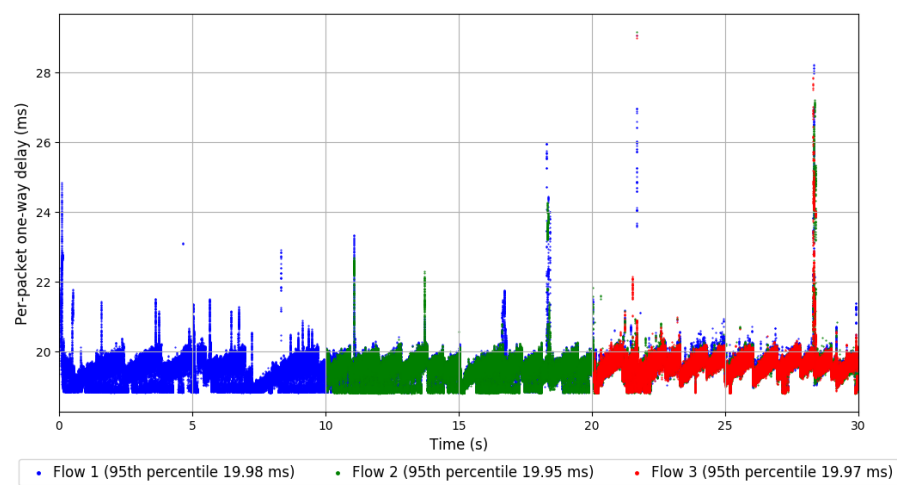
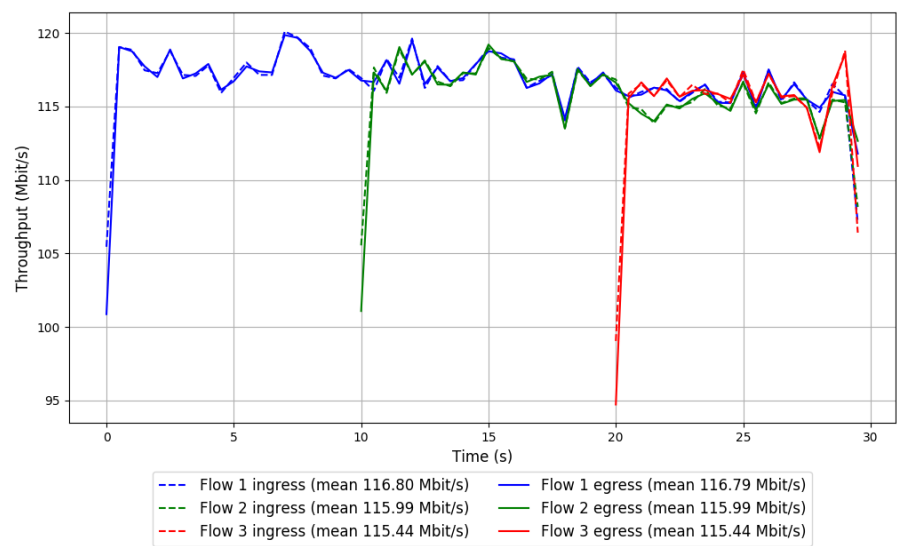
-- Flow 3:

Average throughput: 115.44 Mbit/s

95th percentile per-packet one-way delay: 19.974 ms

Loss rate: 0.00%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SReAM

Start at: Sat, 29 Jul 2017 04:37:27 +0000

End at: Sat, 29 Jul 2017 04:37:57 +0000

Local clock offset: -0.126 ms

Remote clock offset: -2.137 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.188 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.216 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.194 ms

Loss rate: 0.00%

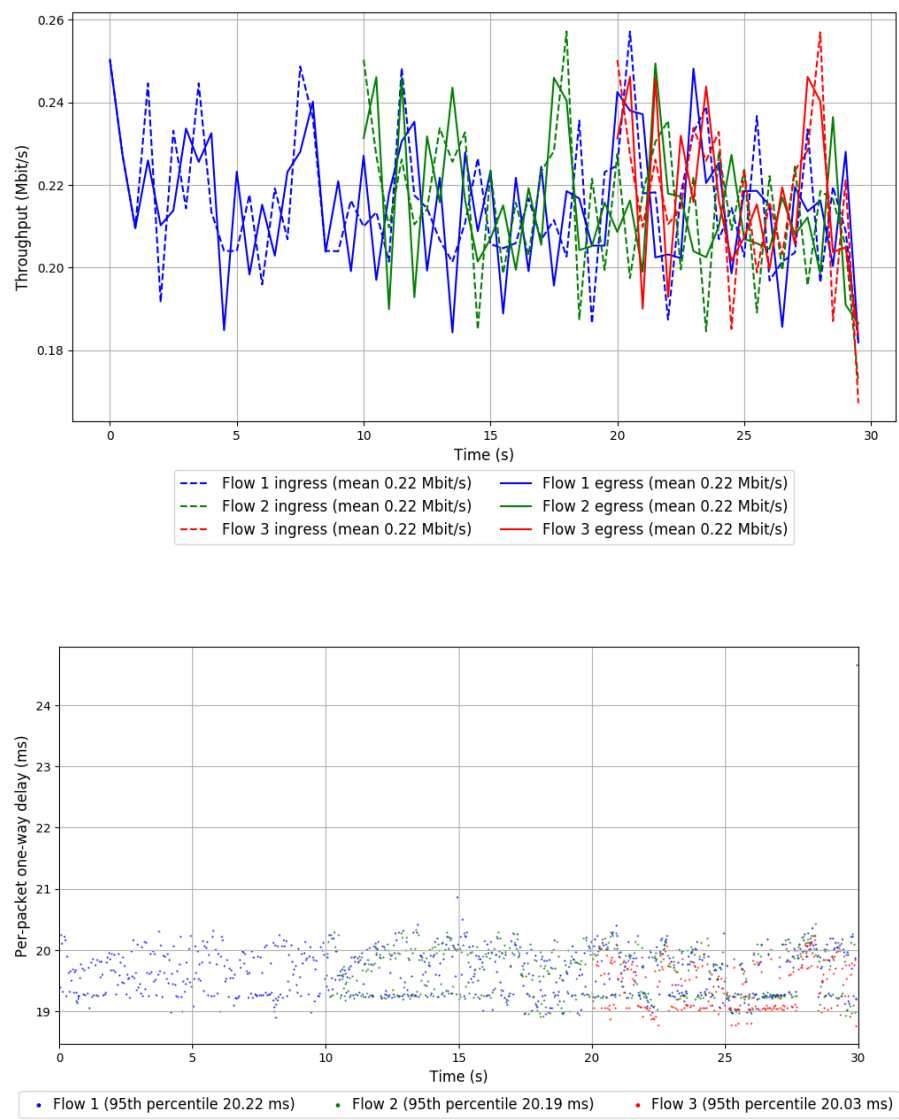
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.030 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: Sat, 29 Jul 2017 04:58:14 +0000

End at: Sat, 29 Jul 2017 04:58:44 +0000

Local clock offset: 0.101 ms

Remote clock offset: -2.05 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.116 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.213 ms

Loss rate: 0.00%

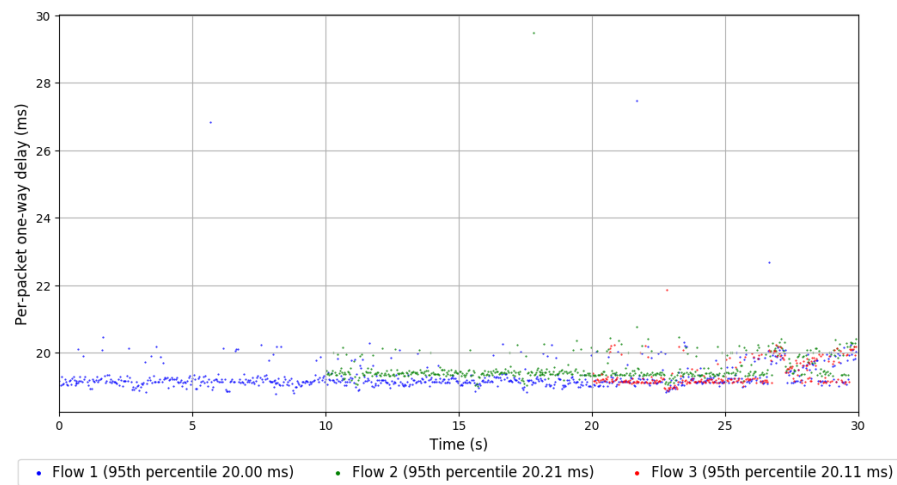
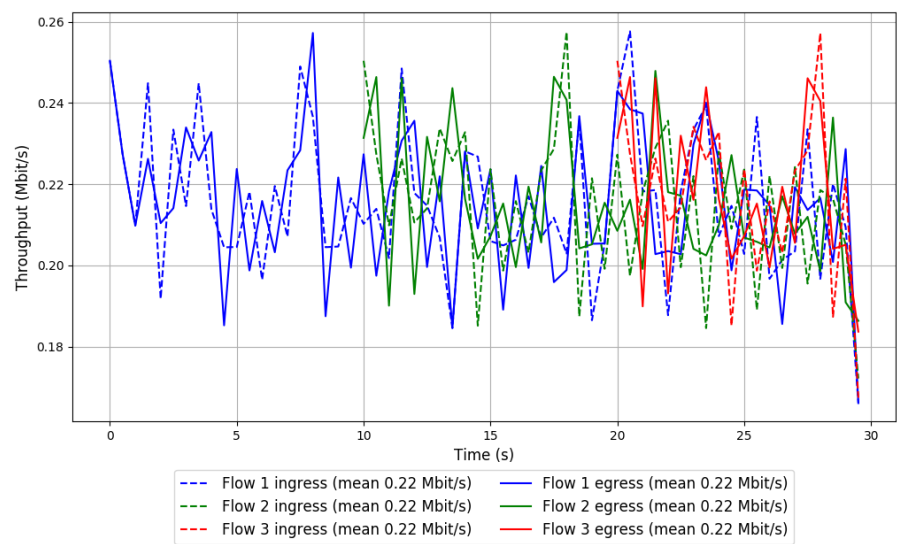
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.108 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: Sat, 29 Jul 2017 05:19:02 +0000

End at: Sat, 29 Jul 2017 05:19:32 +0000

Local clock offset: 0.501 ms

Remote clock offset: -1.681 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.193 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.222 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.193 ms

Loss rate: 0.00%

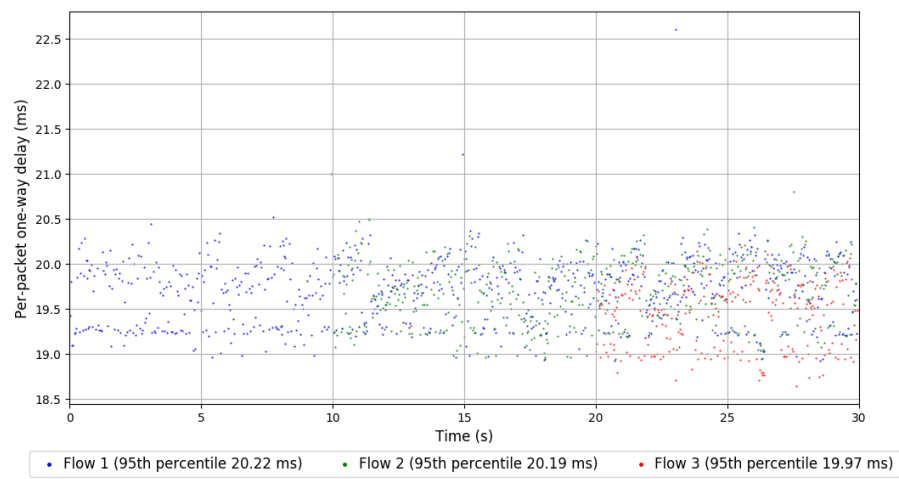
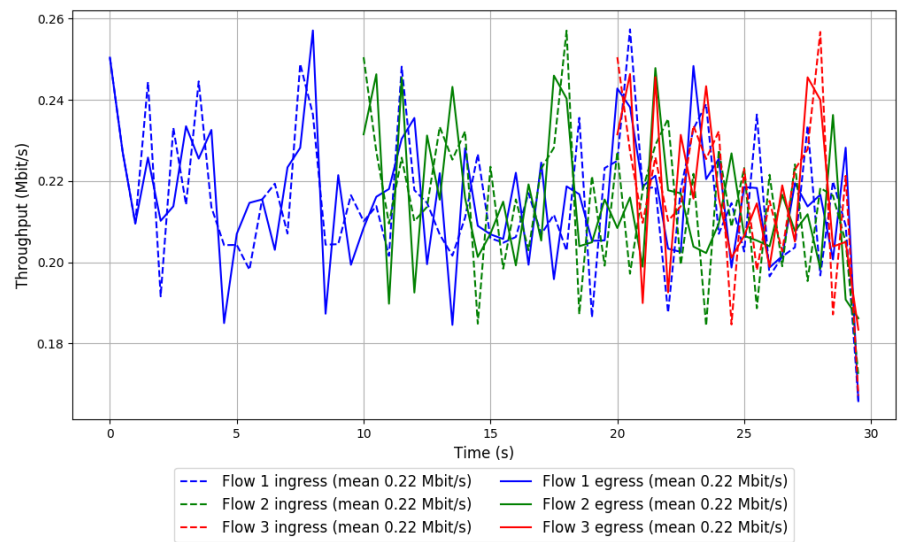
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.966 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 05:39:45 +0000

End at: Sat, 29 Jul 2017 05:40:15 +0000

Local clock offset: 0.746 ms

Remote clock offset: -1.18 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.324 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.356 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.068 ms

Loss rate: 0.00%

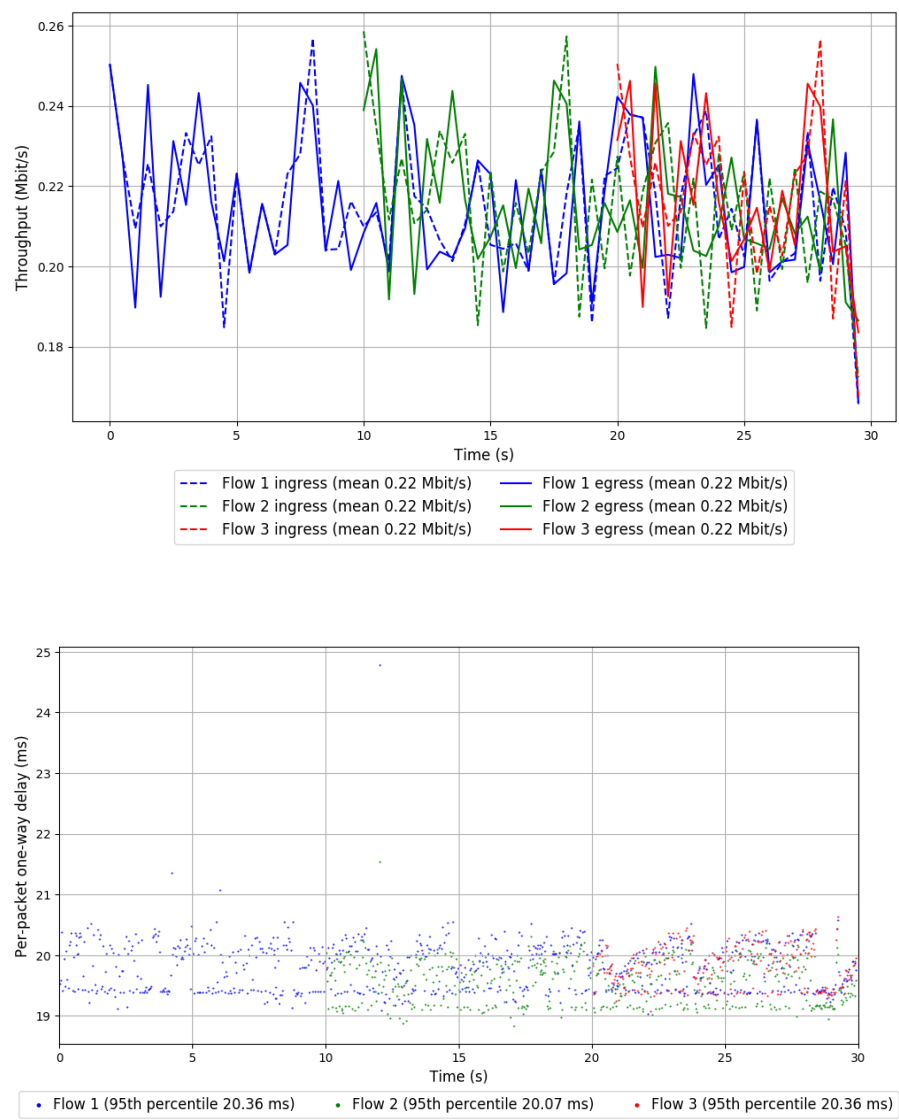
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.362 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:00:33 +0000

End at: Sat, 29 Jul 2017 06:01:03 +0000

Local clock offset: 0.998 ms

Remote clock offset: -1.155 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.215 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.567 ms

Loss rate: 0.00%

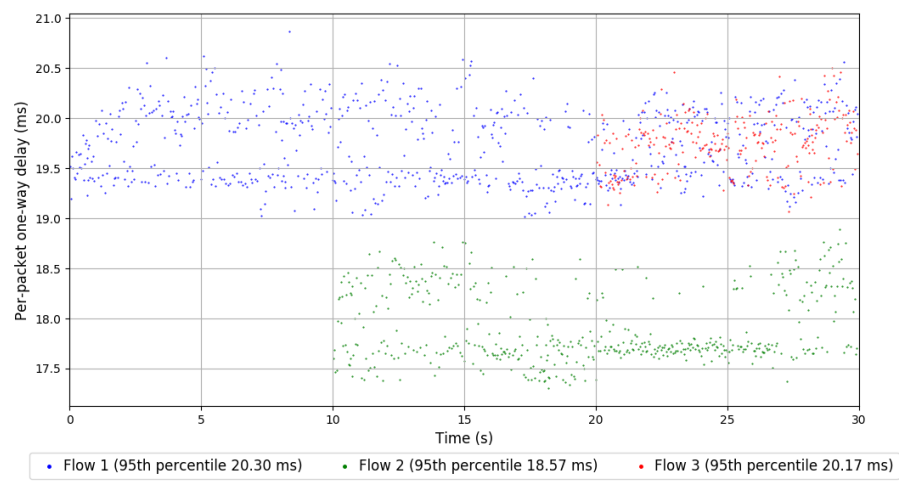
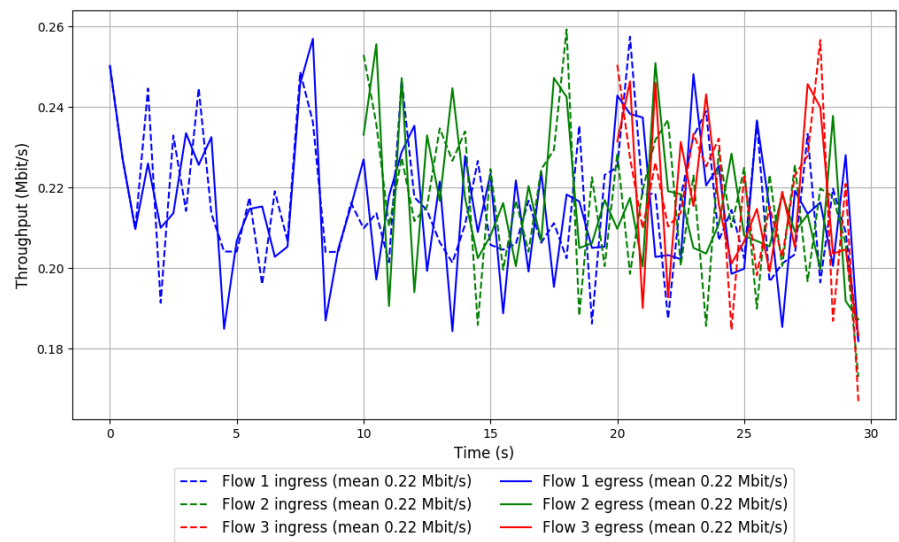
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.167 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:21:18 +0000

End at: Sat, 29 Jul 2017 06:21:48 +0000

Local clock offset: 1.011 ms

Remote clock offset: -1.301 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.191 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.258 ms

Loss rate: 0.00%

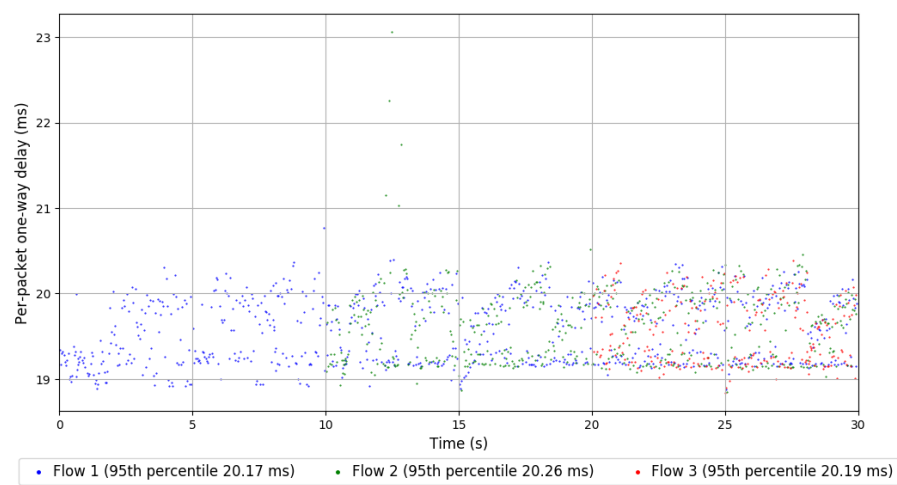
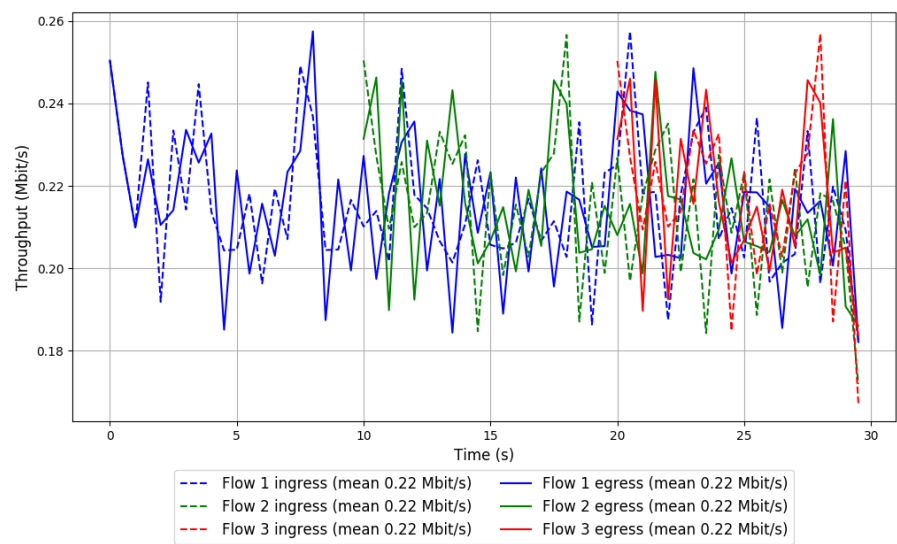
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.191 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:42:05 +0000

End at: Sat, 29 Jul 2017 06:42:35 +0000

Local clock offset: 0.938 ms

Remote clock offset: -1.216 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.195 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.185 ms

Loss rate: 0.00%

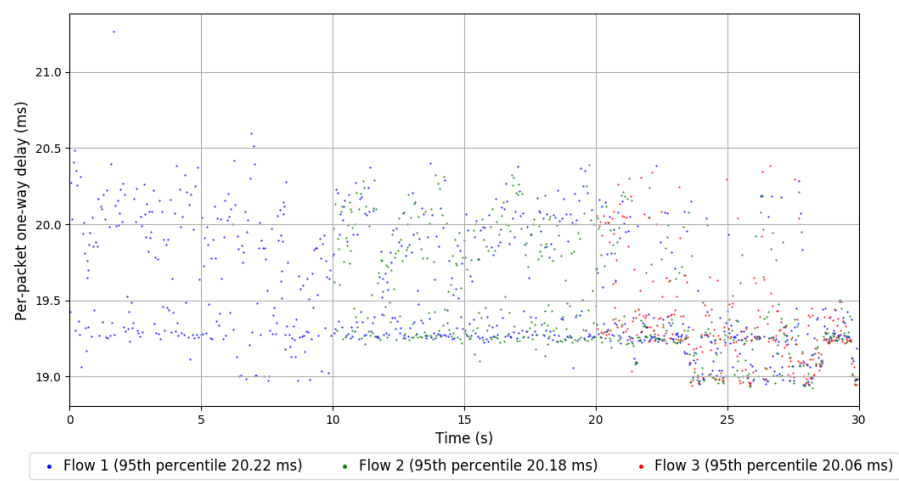
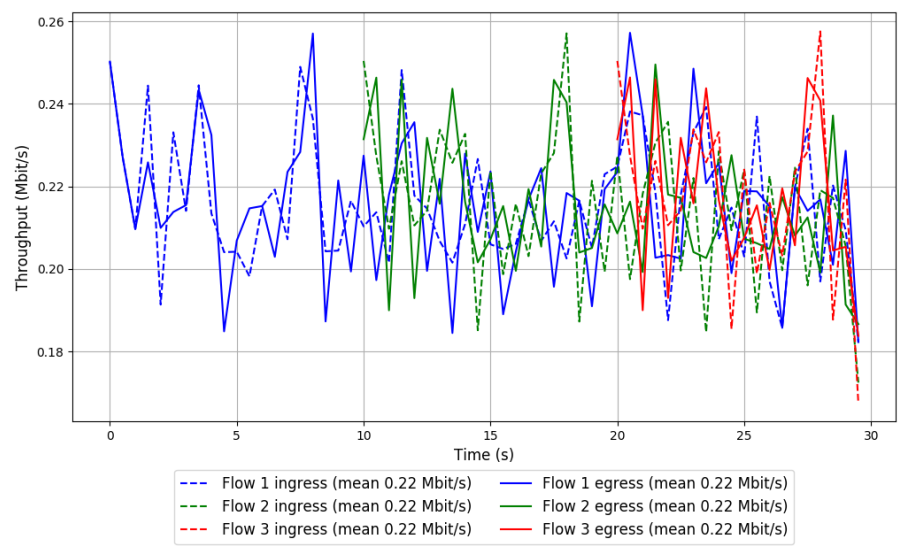
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.056 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 07:02:41 +0000

End at: Sat, 29 Jul 2017 07:03:11 +0000

Local clock offset: 0.771 ms

Remote clock offset: -1.162 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.076 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

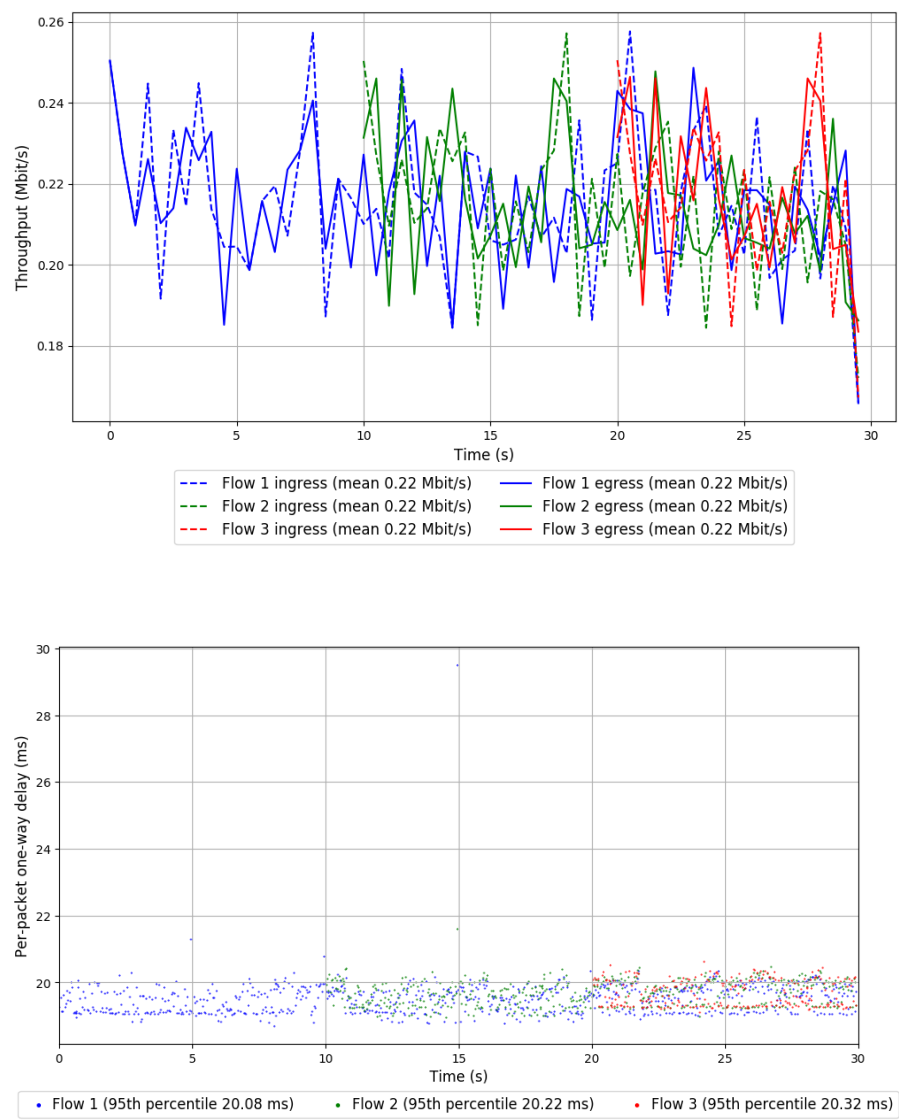
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.318 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: Sat, 29 Jul 2017 07:23:16 +0000

End at: Sat, 29 Jul 2017 07:23:46 +0000

Local clock offset: 0.686 ms

Remote clock offset: -1.167 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.322 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.151 ms

Loss rate: 0.00%

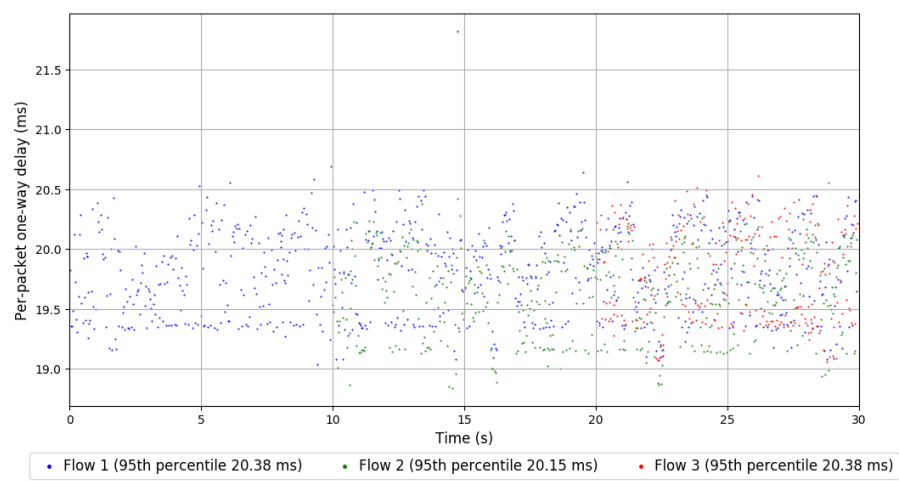
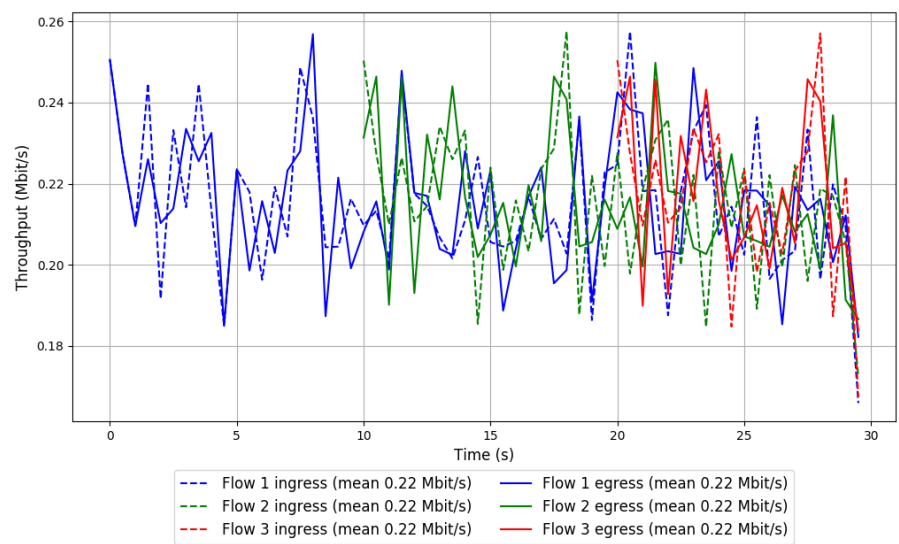
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.376 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sat, 29 Jul 2017 07:43:58 +0000

End at: Sat, 29 Jul 2017 07:44:28 +0000

Local clock offset: 0.765 ms

Remote clock offset: -1.178 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.152 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.155 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.188 ms

Loss rate: 0.00%

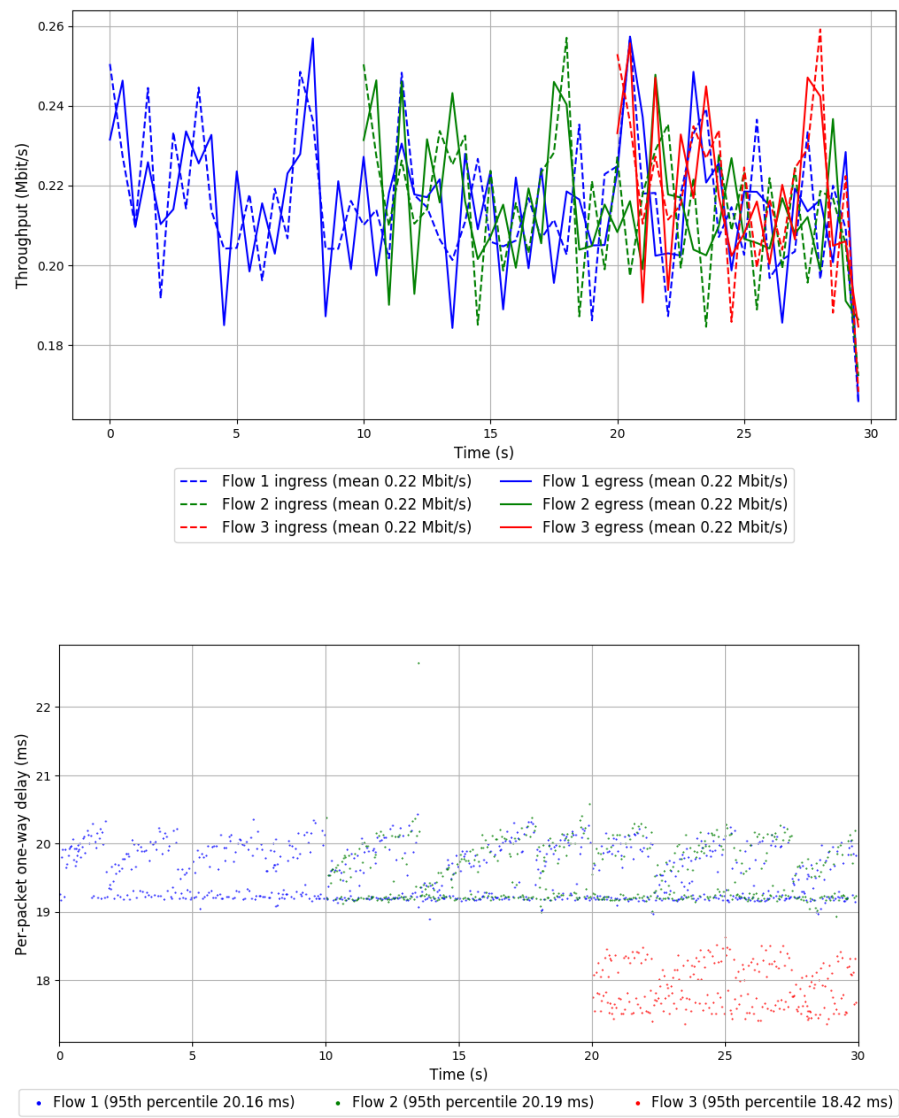
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.421 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 29 Jul 2017 04:36:15 +0000

End at: Sat, 29 Jul 2017 04:36:45 +0000

Local clock offset: -0.147 ms

Remote clock offset: -2.138 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.11 Mbit/s

95th percentile per-packet one-way delay: 21.398 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 21.647 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 24.48 Mbit/s

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

Loss rate: 0.03%

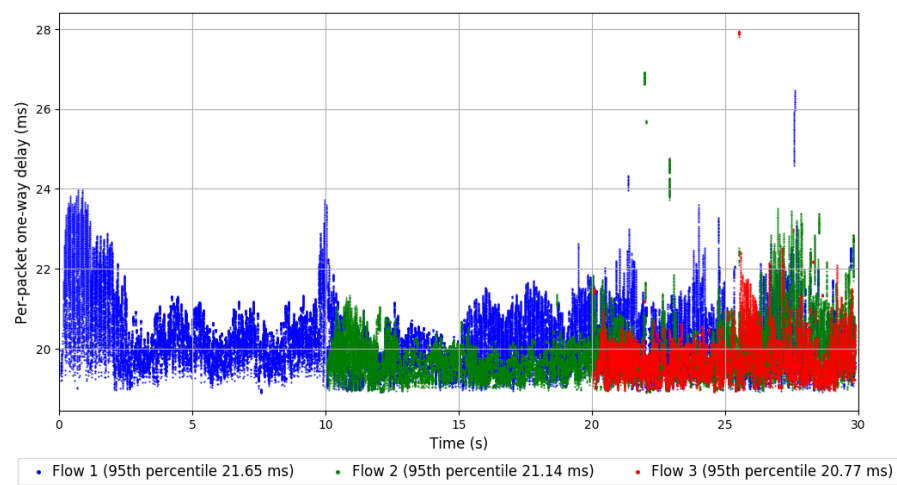
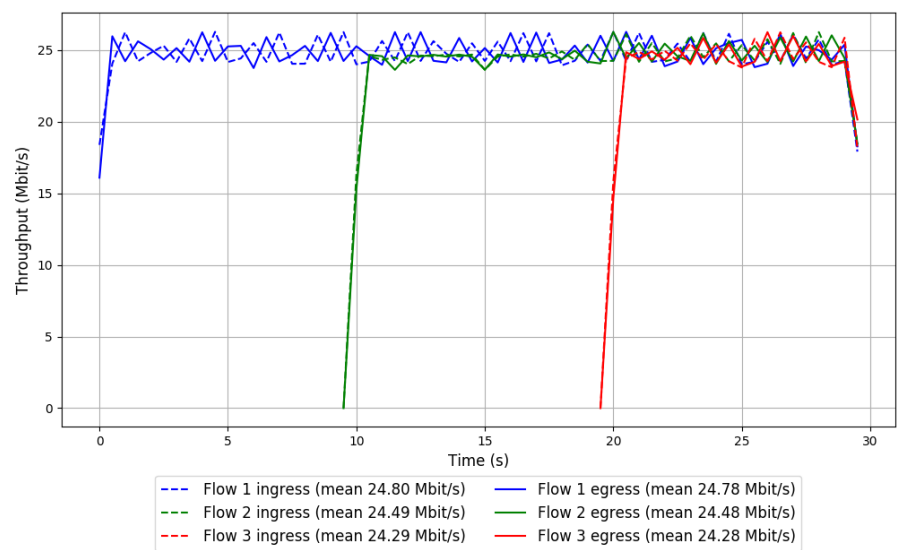
-- Flow 3:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 20.765 ms

Loss rate: 0.01%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 29 Jul 2017 04:57:02 +0000

End at: Sat, 29 Jul 2017 04:57:32 +0000

Local clock offset: 0.104 ms

Remote clock offset: -2.148 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:45:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 22.166 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 22.433 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 21.913 ms

Loss rate: 0.19%

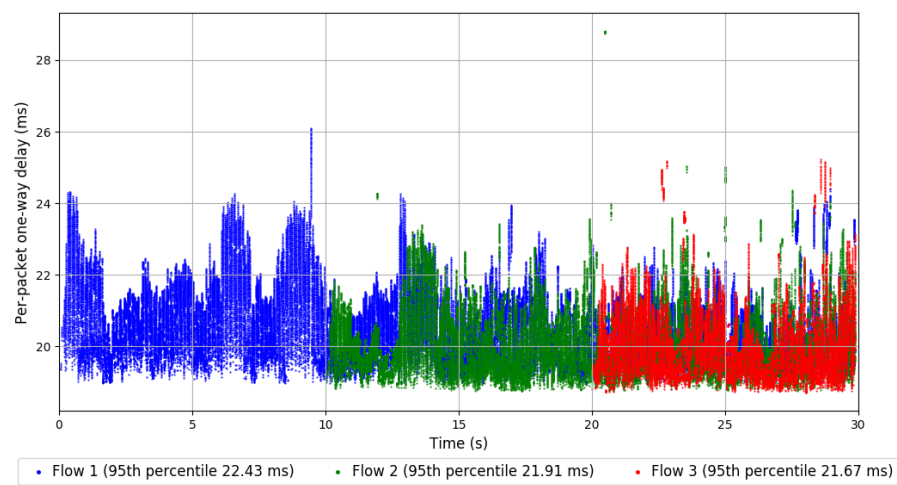
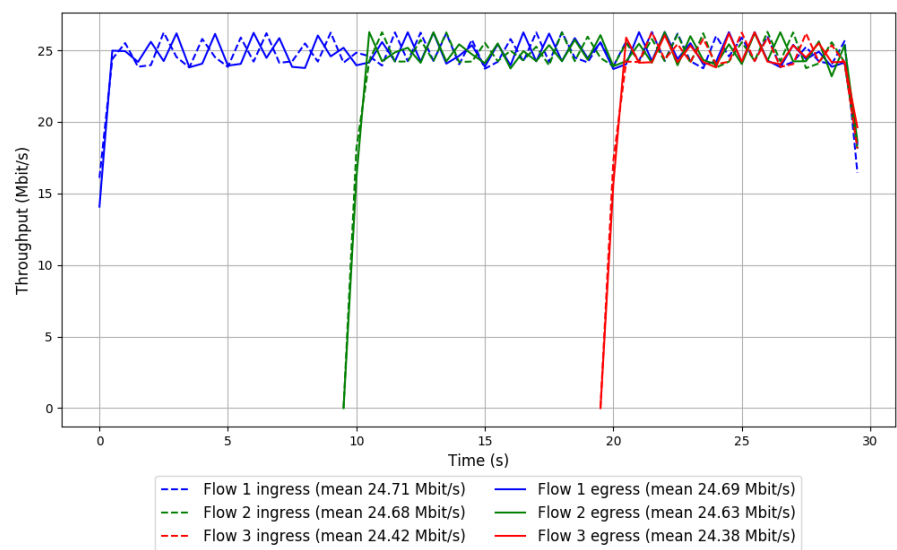
-- Flow 3:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 21.671 ms

Loss rate: 0.13%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:17:50 +0000

End at: Sat, 29 Jul 2017 05:18:20 +0000

Local clock offset: 0.437 ms

Remote clock offset: -1.637 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 22.207 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 22.526 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 21.790 ms

Loss rate: 0.20%

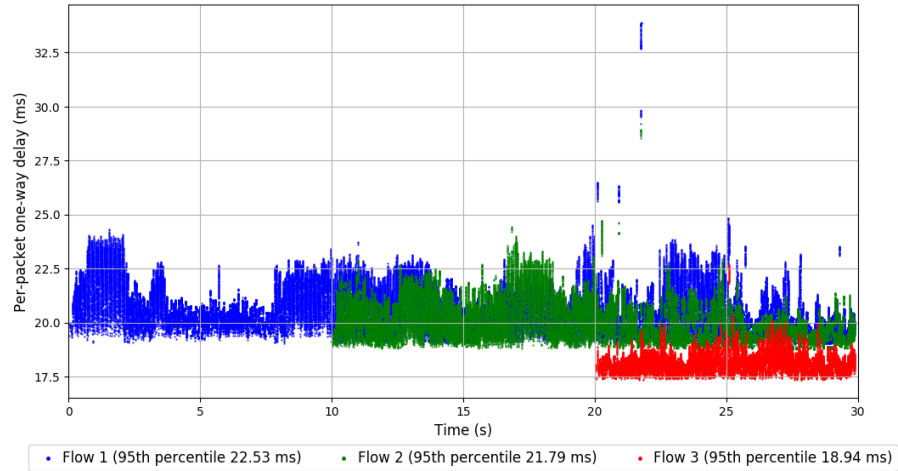
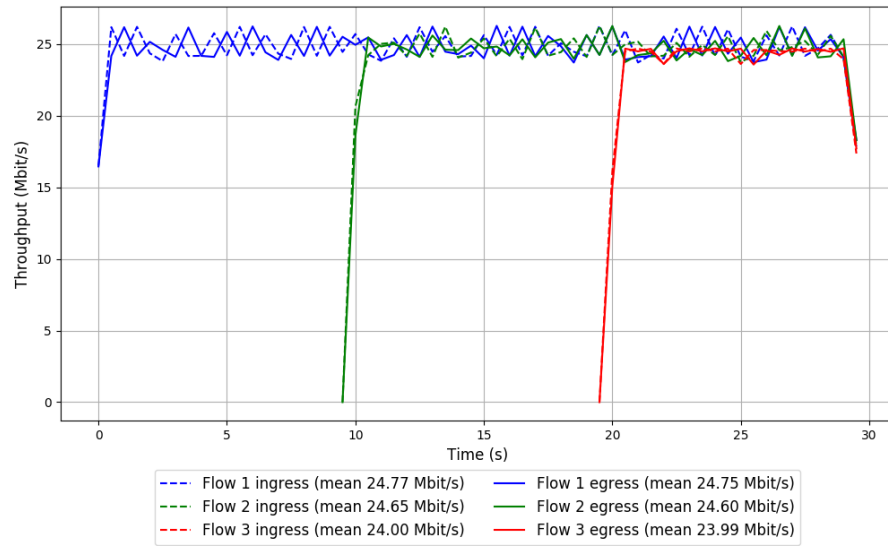
-- Flow 3:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 18.942 ms

Loss rate: 0.05%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:38:32 +0000

End at: Sat, 29 Jul 2017 05:39:02 +0000

Local clock offset: 0.745 ms

Remote clock offset: -1.158 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 21.585 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 21.837 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 20.986 ms

Loss rate: 0.04%

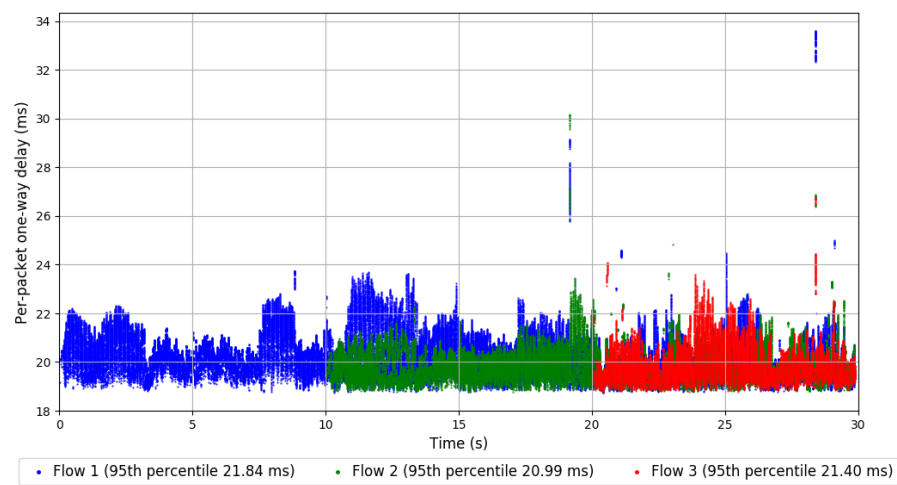
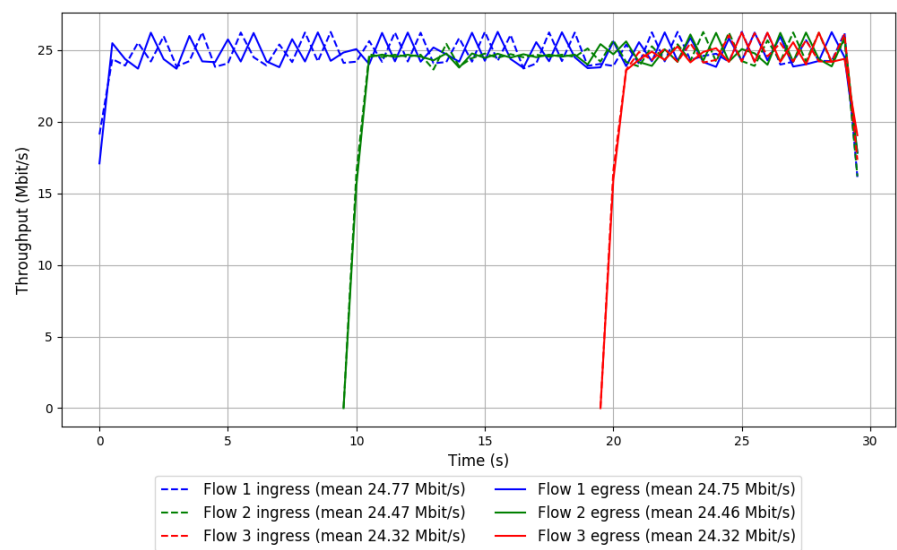
-- Flow 3:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 21.396 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:59:20 +0000

End at: Sat, 29 Jul 2017 05:59:50 +0000

Local clock offset: 0.995 ms

Remote clock offset: -1.121 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.28 Mbit/s

95th percentile per-packet one-way delay: 21.738 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 21.941 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 21.648 ms

Loss rate: 0.06%

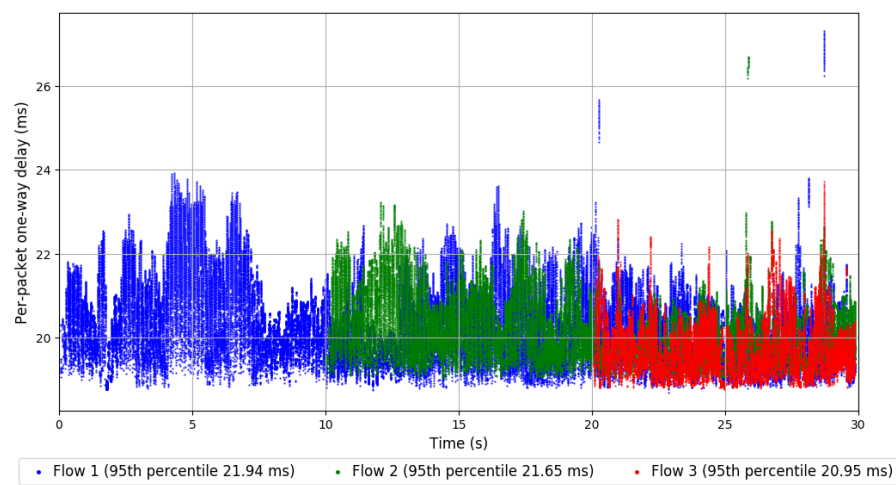
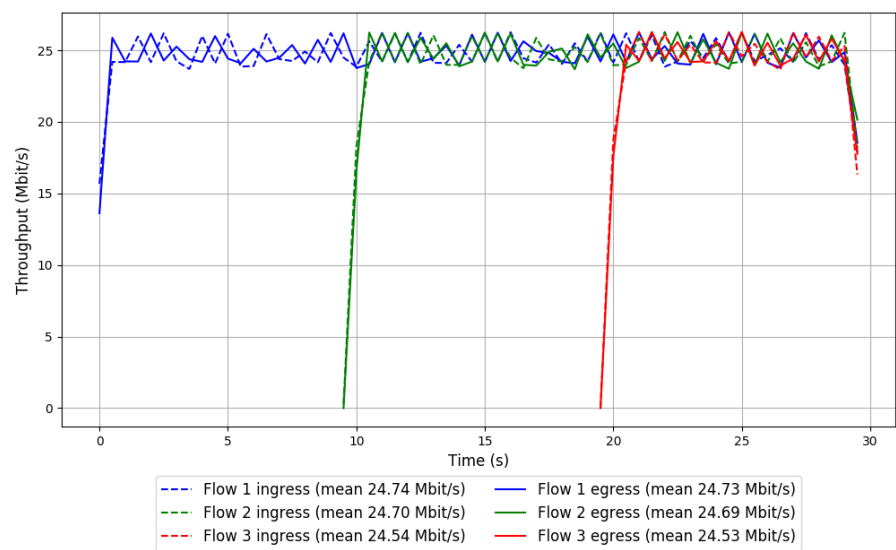
-- Flow 3:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 20.947 ms

Loss rate: 0.06%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:20:05 +0000

End at: Sat, 29 Jul 2017 06:20:35 +0000

Local clock offset: 0.99 ms

Remote clock offset: -1.211 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 21.512 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 21.731 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 21.466 ms

Loss rate: 0.05%

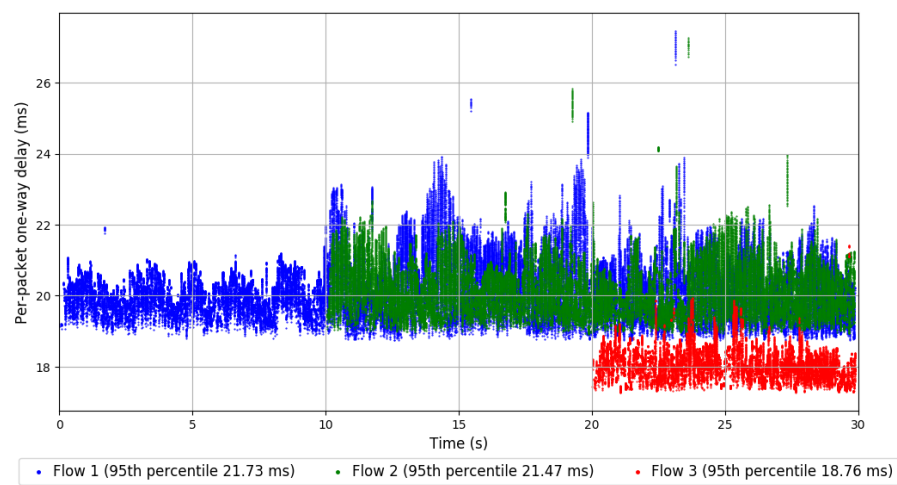
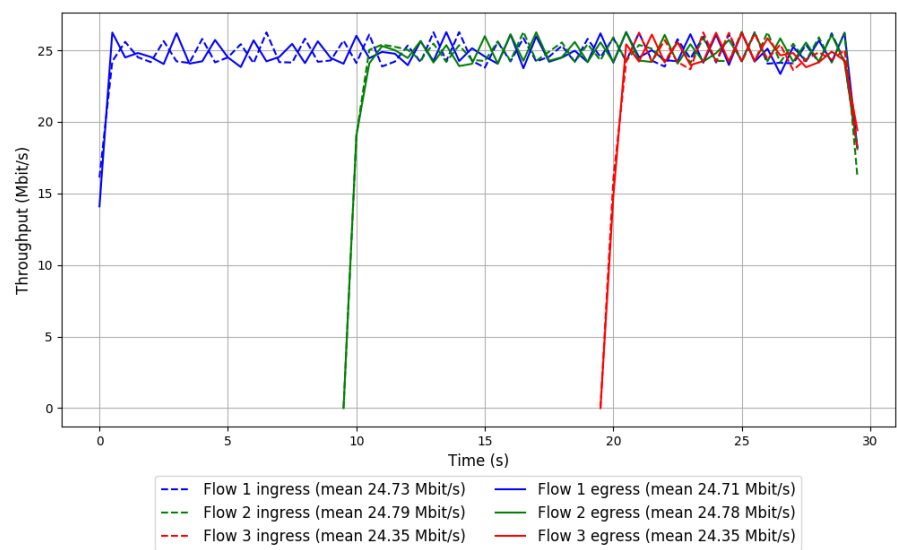
-- Flow 3:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 18.764 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:40:52 +0000

End at: Sat, 29 Jul 2017 06:41:22 +0000

Local clock offset: 0.849 ms

Remote clock offset: -1.274 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.12 Mbit/s

95th percentile per-packet one-way delay: 21.668 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 21.774 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 21.651 ms

Loss rate: 0.09%

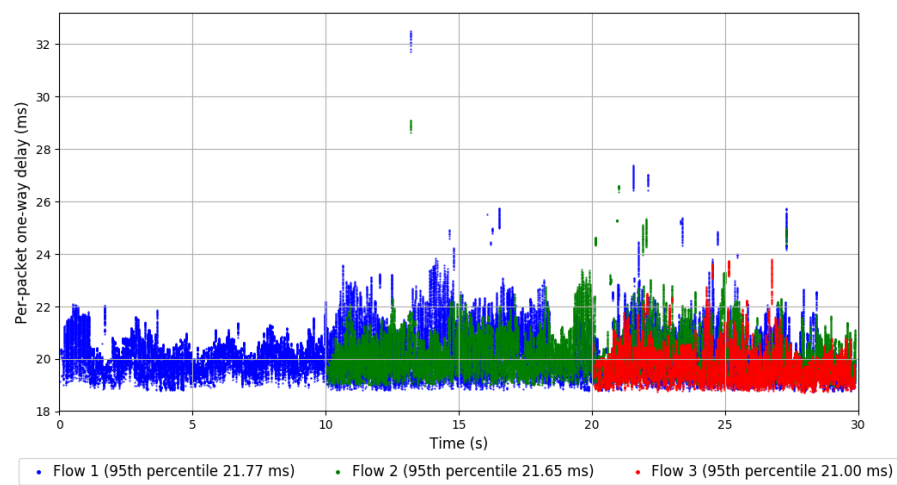
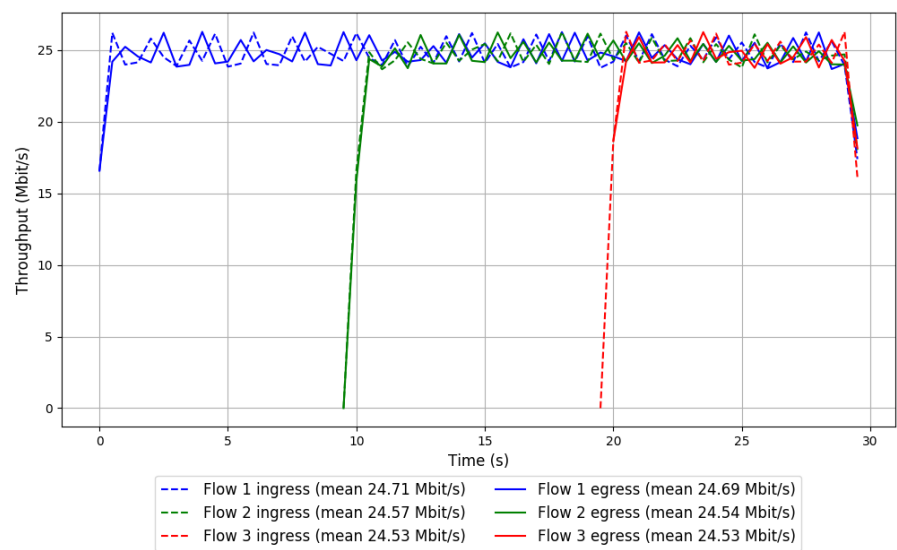
-- Flow 3:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 21.002 ms

Loss rate: 0.02%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:01:28 +0000

End at: Sat, 29 Jul 2017 07:01:58 +0000

Local clock offset: 0.786 ms

Remote clock offset: -1.11 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 22.211 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 22.193 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 22.368 ms

Loss rate: 0.13%

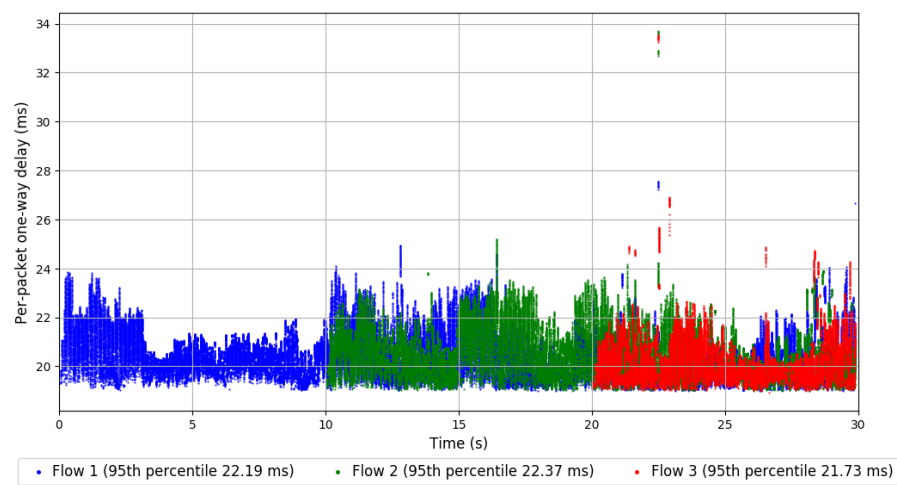
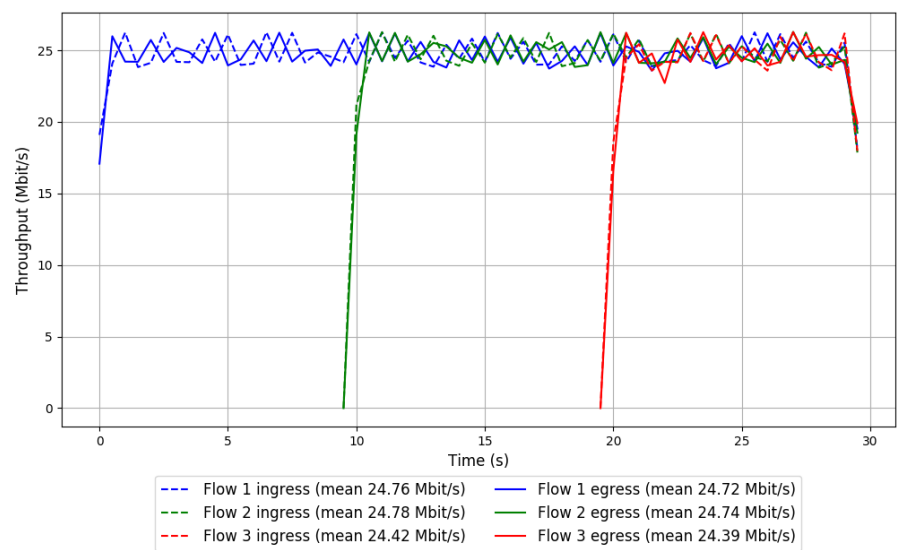
-- Flow 3:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 21.727 ms

Loss rate: 0.10%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:22:03 +0000

End at: Sat, 29 Jul 2017 07:22:33 +0000

Local clock offset: 0.681 ms

Remote clock offset: -1.174 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 21.662 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 21.778 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 21.539 ms

Loss rate: 0.02%

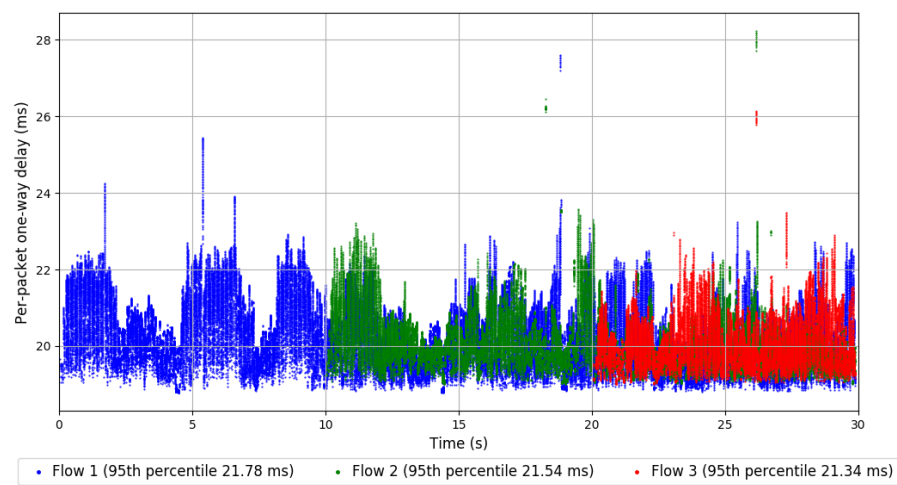
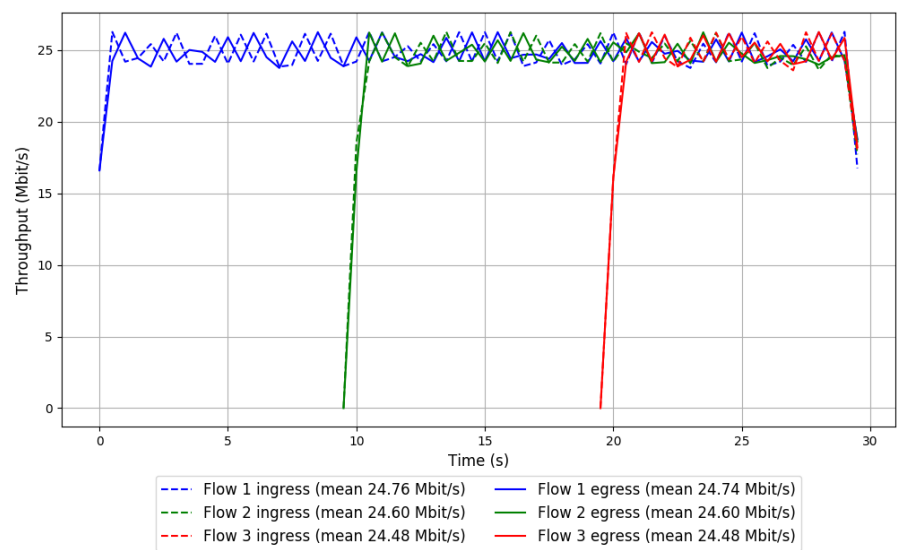
-- Flow 3:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 21.344 ms

Loss rate: 0.01%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:42:45 +0000

End at: Sat, 29 Jul 2017 07:43:15 +0000

Local clock offset: 0.783 ms

Remote clock offset: -1.138 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:46:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.39 Mbit/s

95th percentile per-packet one-way delay: 21.910 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 21.993 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 22.008 ms

Loss rate: 0.06%

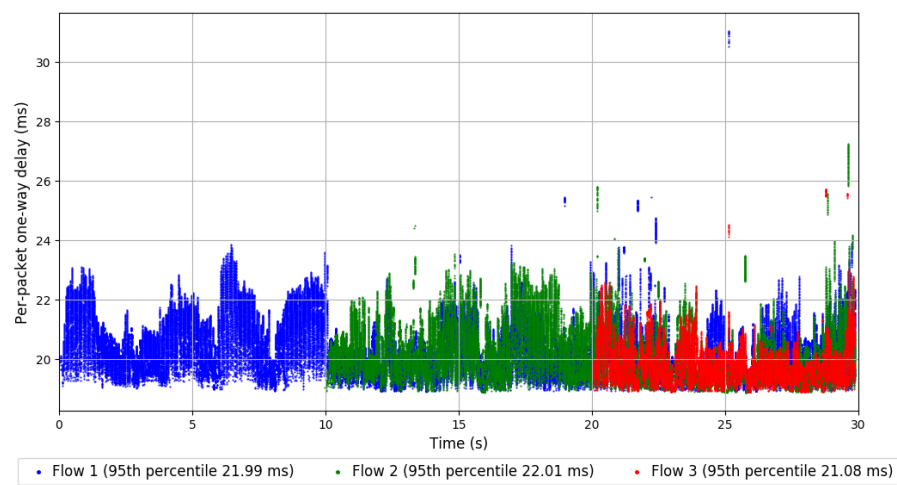
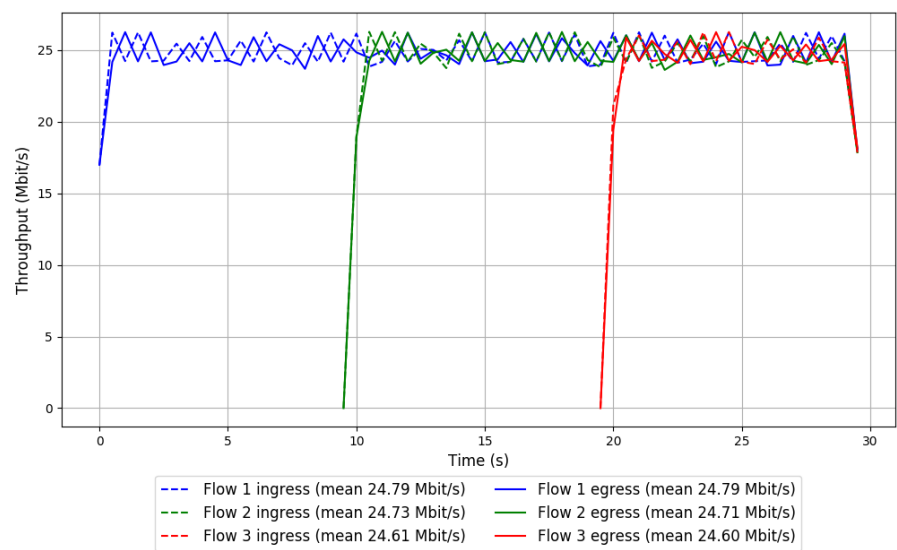
-- Flow 3:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 21.079 ms

Loss rate: 0.01%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 04:20:53 +0000

End at: Sat, 29 Jul 2017 04:21:23 +0000

Local clock offset: -0.435 ms

Remote clock offset: -2.234 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:47:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.35 Mbit/s

95th percentile per-packet one-way delay: 19.887 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 19.920 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 104.60 Mbit/s

95th percentile per-packet one-way delay: 19.701 ms

Loss rate: 0.01%

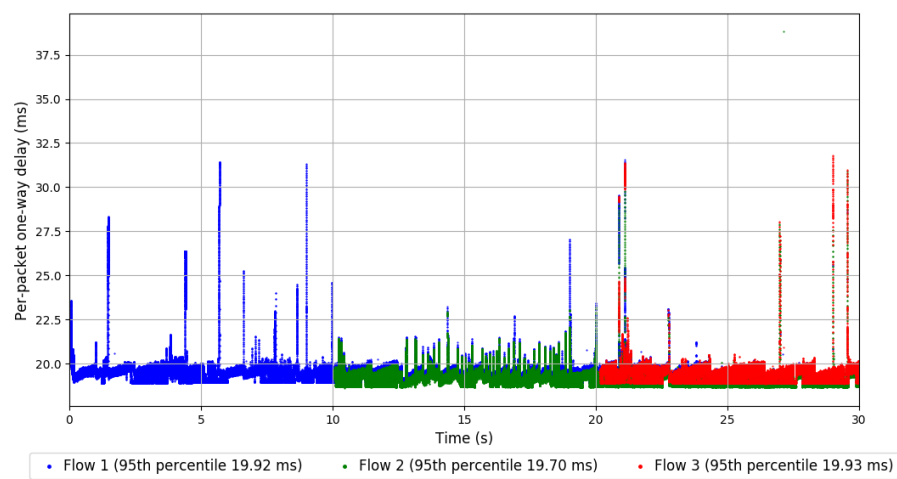
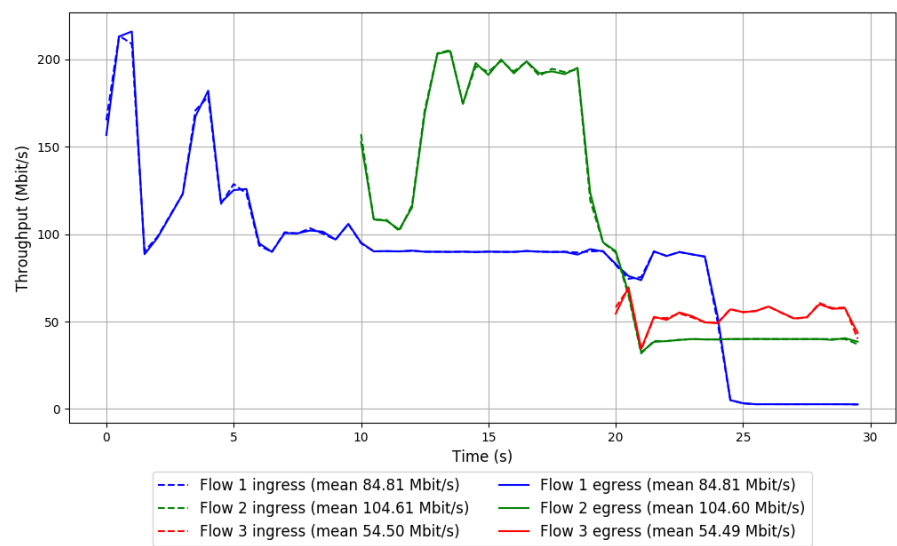
-- Flow 3:

Average throughput: 54.49 Mbit/s

95th percentile per-packet one-way delay: 19.933 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 04:41:45 +0000

End at: Sat, 29 Jul 2017 04:42:15 +0000

Local clock offset: -0.15 ms

Remote clock offset: -2.044 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:47:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.91 Mbit/s

95th percentile per-packet one-way delay: 20.020 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 110.16 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 62.61 Mbit/s

95th percentile per-packet one-way delay: 20.136 ms

Loss rate: 0.01%

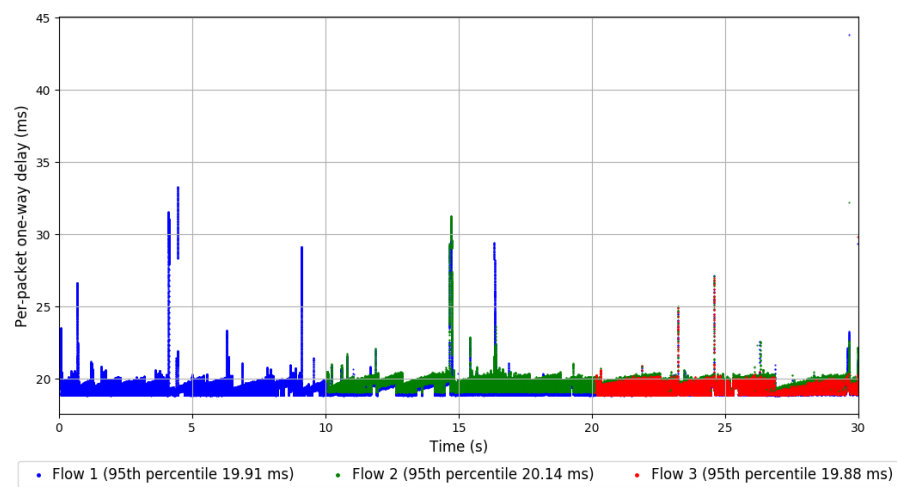
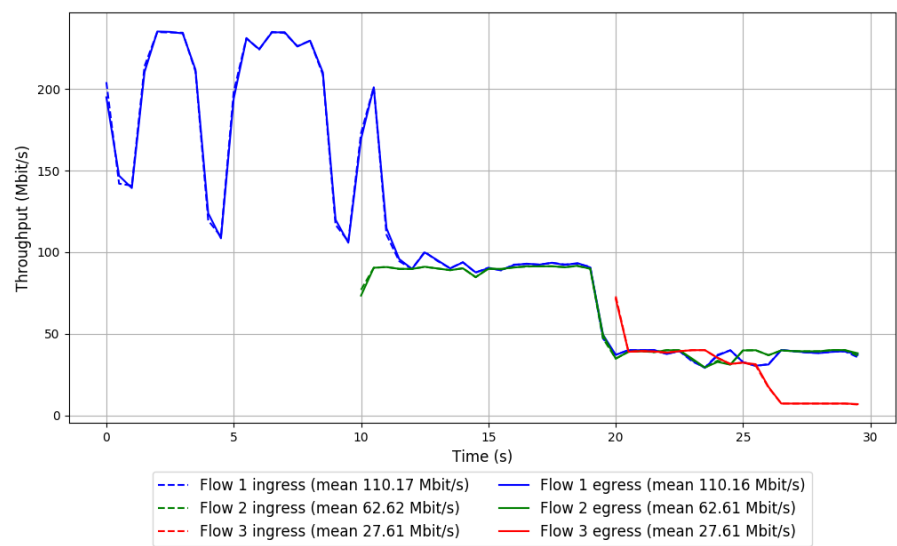
-- Flow 3:

Average throughput: 27.61 Mbit/s

95th percentile per-packet one-way delay: 19.883 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:02:29 +0000

End at: Sat, 29 Jul 2017 05:02:59 +0000

Local clock offset: 0.252 ms

Remote clock offset: -1.968 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:47:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.55 Mbit/s

95th percentile per-packet one-way delay: 19.814 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 18.262 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 70.95 Mbit/s

95th percentile per-packet one-way delay: 19.942 ms

Loss rate: 0.01%

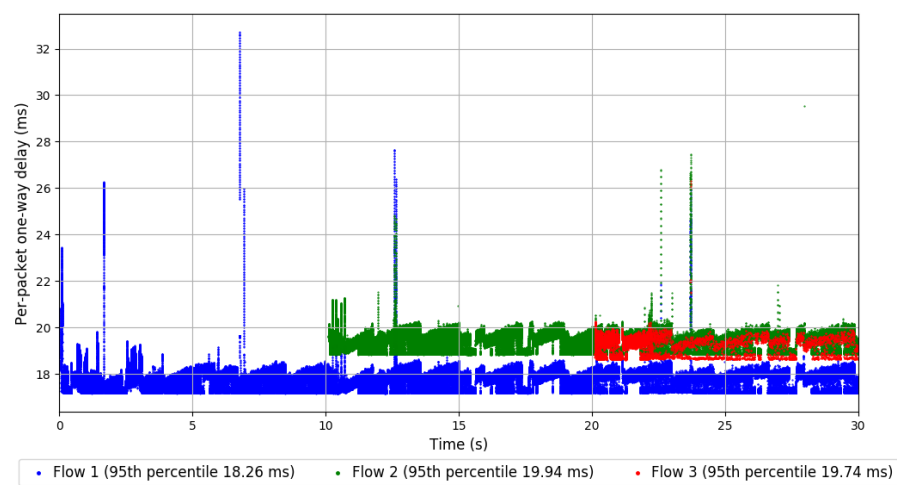
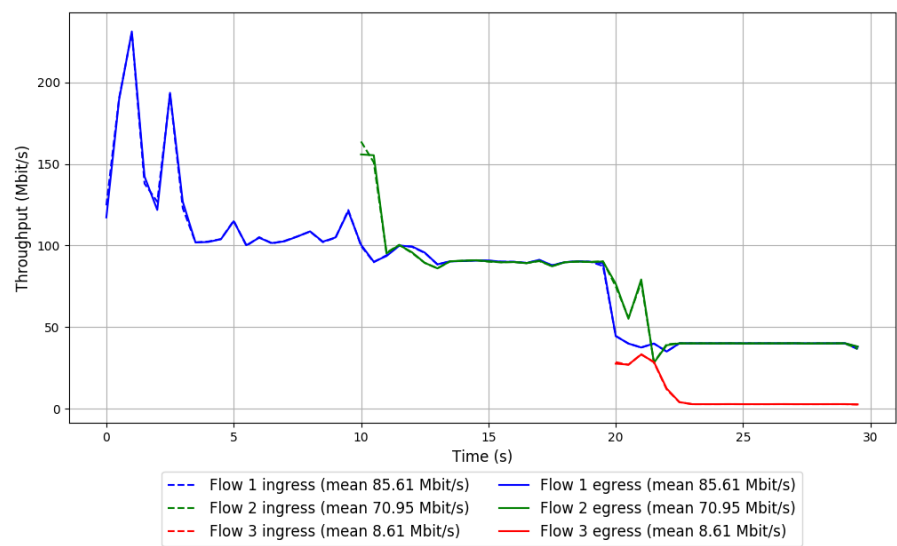
-- Flow 3:

Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 19.741 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:23:17 +0000

End at: Sat, 29 Jul 2017 05:23:47 +0000

Local clock offset: 0.509 ms

Remote clock offset: -1.505 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:47:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.76 Mbit/s

95th percentile per-packet one-way delay: 19.802 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 19.777 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.40 Mbit/s

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

Loss rate: 0.00%

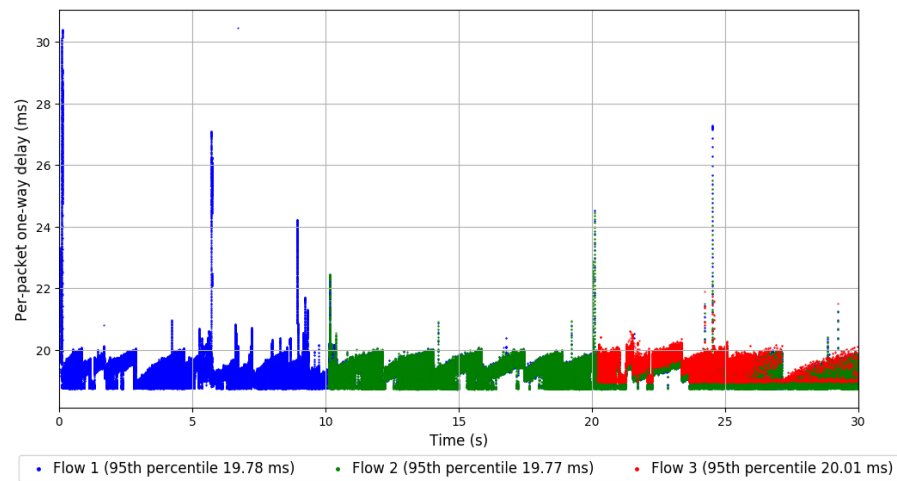
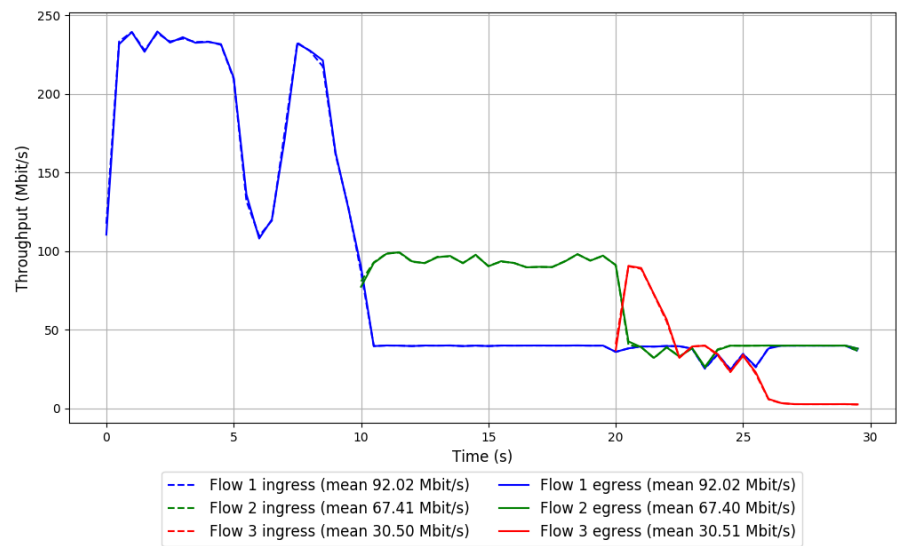
-- Flow 3:

Average throughput: 30.51 Mbit/s

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

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:44:02 +0000

End at: Sat, 29 Jul 2017 05:44:32 +0000

Local clock offset: 0.898 ms

Remote clock offset: -1.215 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:48:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.32 Mbit/s

95th percentile per-packet one-way delay: 19.812 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 98.19 Mbit/s

95th percentile per-packet one-way delay: 18.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 19.950 ms

Loss rate: 0.02%

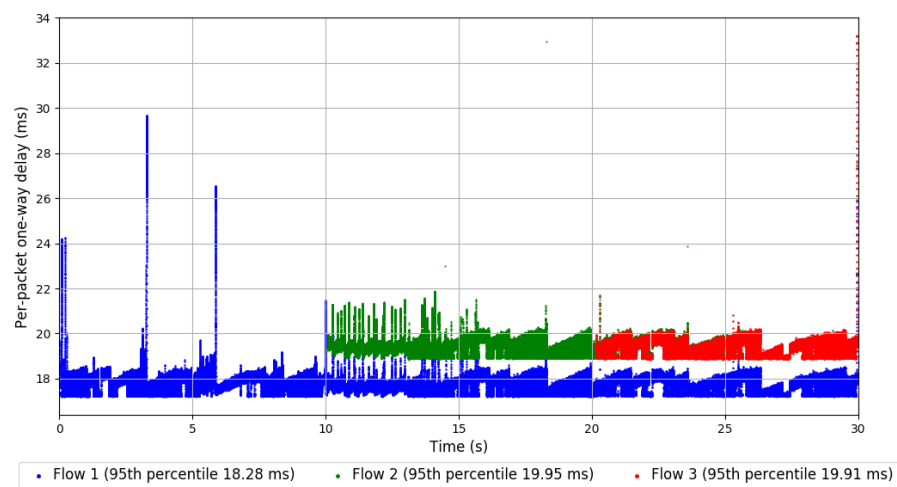
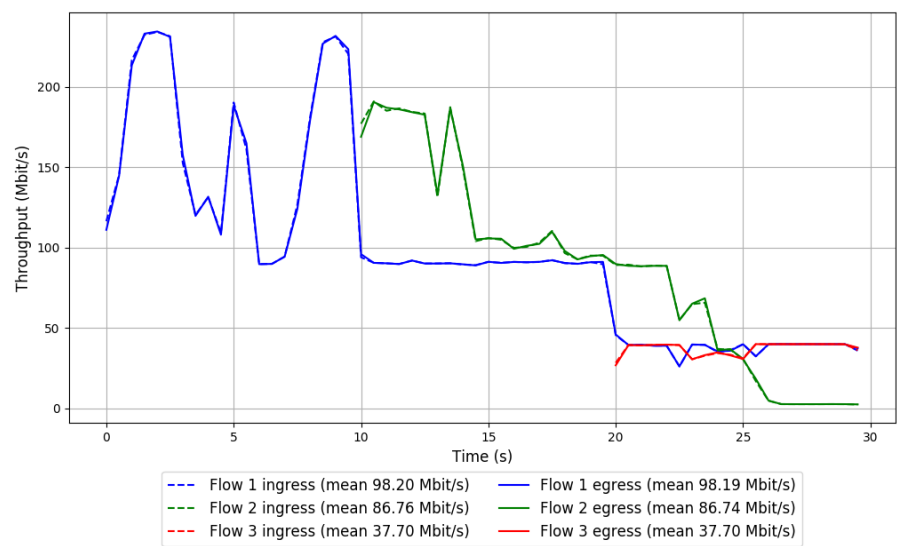
-- Flow 3:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 19.912 ms

Loss rate: 0.01%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:04:51 +0000

End at: Sat, 29 Jul 2017 06:05:21 +0000

Local clock offset: 1.007 ms

Remote clock offset: -1.215 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:48:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.07 Mbit/s

95th percentile per-packet one-way delay: 20.024 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 20.015 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 47.73 Mbit/s

95th percentile per-packet one-way delay: 20.059 ms

Loss rate: 0.65%

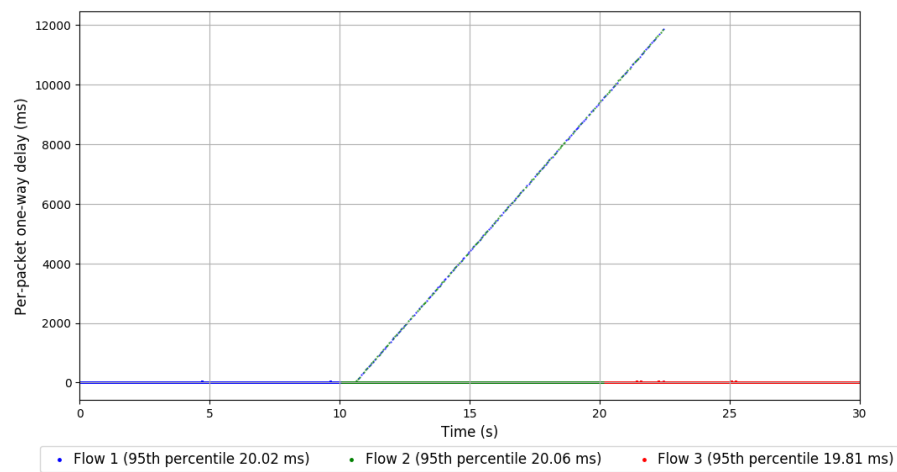
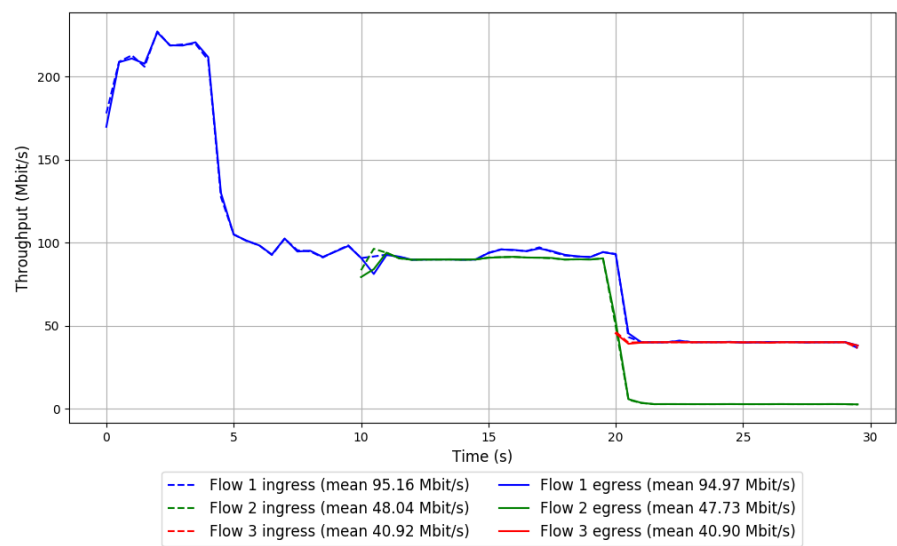
-- Flow 3:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 19.808 ms

Loss rate: 0.04%

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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:25:35 +0000

End at: Sat, 29 Jul 2017 06:26:05 +0000

Local clock offset: 0.999 ms

Remote clock offset: -1.206 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:48:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 153.65 Mbit/s

95th percentile per-packet one-way delay: 19.911 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 102.36 Mbit/s

95th percentile per-packet one-way delay: 19.944 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 52.11 Mbit/s

95th percentile per-packet one-way delay: 19.777 ms

Loss rate: 0.00%

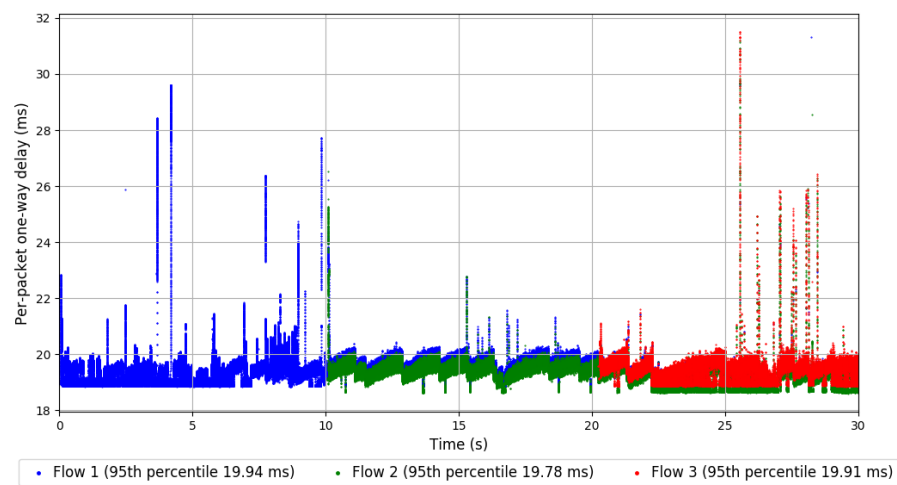
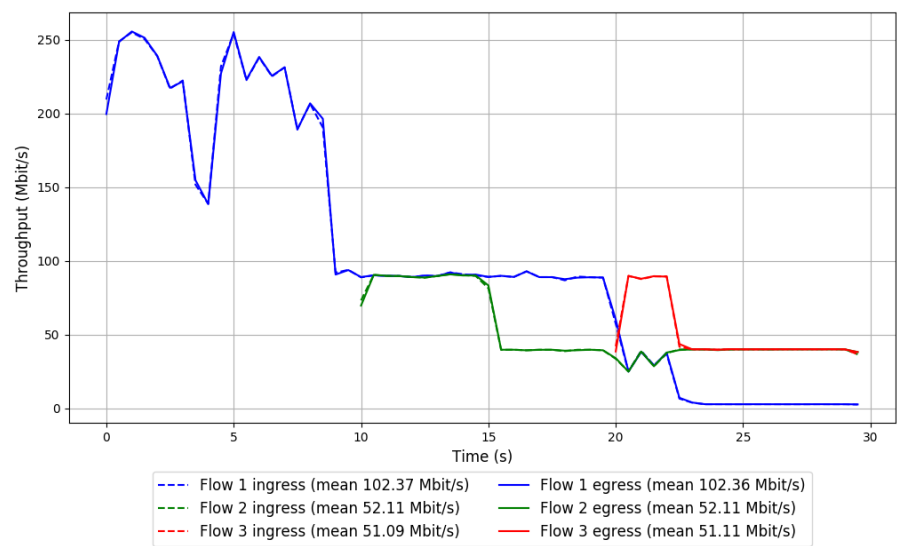
-- Flow 3:

Average throughput: 51.11 Mbit/s

95th percentile per-packet one-way delay: 19.914 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:46:18 +0000

End at: Sat, 29 Jul 2017 06:46:48 +0000

Local clock offset: 0.838 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:48:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.60 Mbit/s

95th percentile per-packet one-way delay: 19.885 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 116.59 Mbit/s

95th percentile per-packet one-way delay: 19.925 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.92 Mbit/s

95th percentile per-packet one-way delay: 19.729 ms

Loss rate: 0.00%

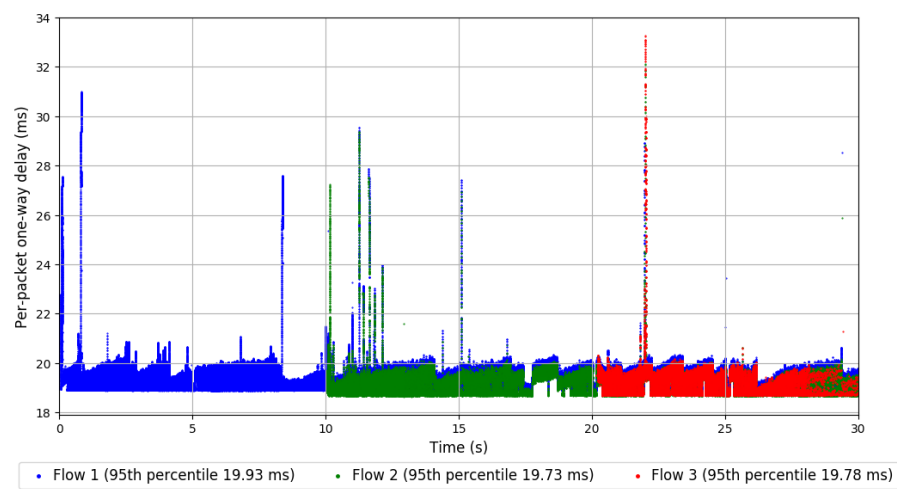
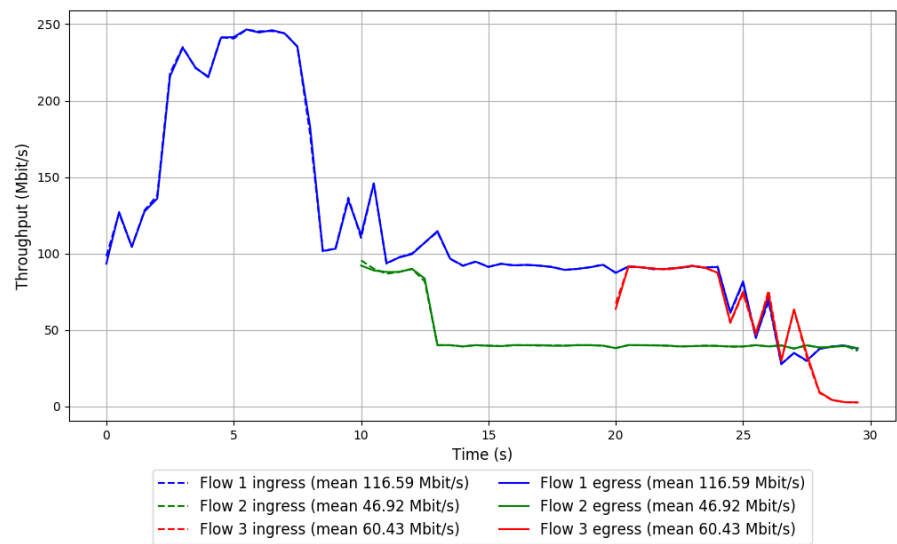
-- Flow 3:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 19.780 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:06:55 +0000

End at: Sat, 29 Jul 2017 07:07:25 +0000

Local clock offset: 0.742 ms

Remote clock offset: -1.05 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:49:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.36 Mbit/s

95th percentile per-packet one-way delay: 20.047 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 74.96 Mbit/s

95th percentile per-packet one-way delay: 20.076 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 19.881 ms

Loss rate: 0.00%

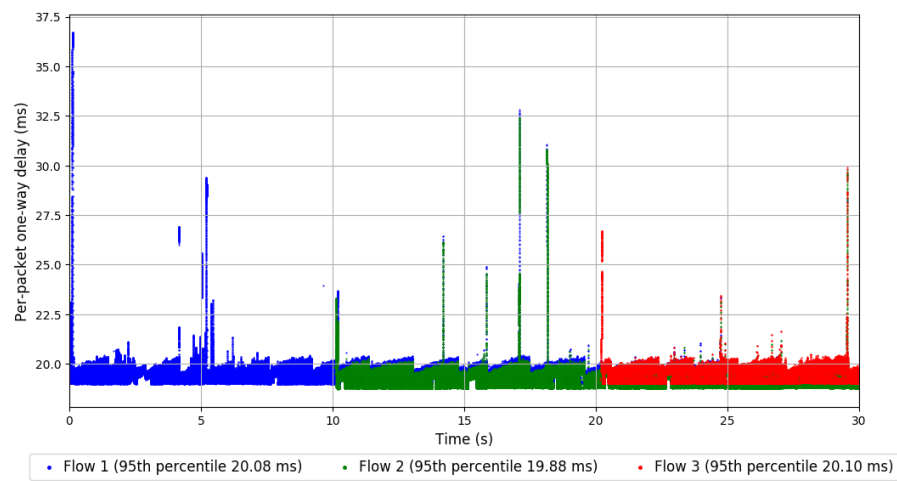
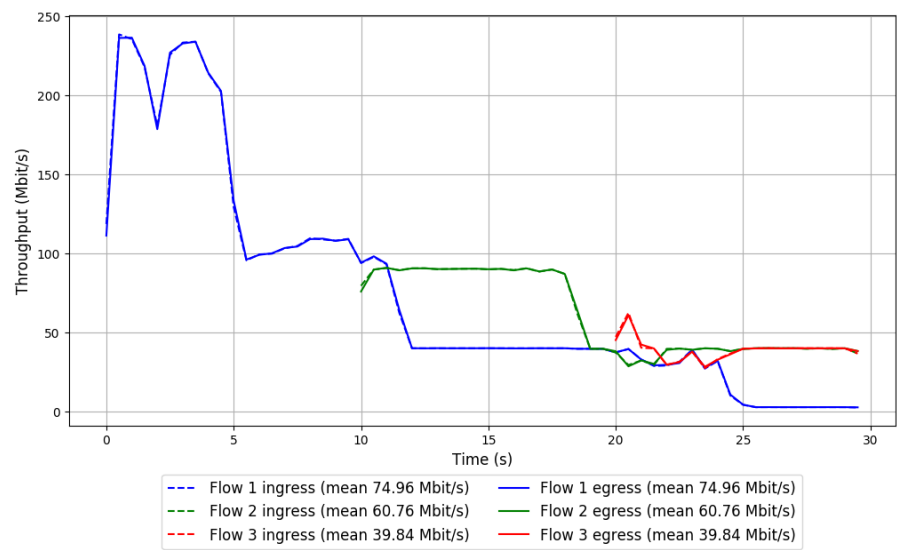
-- Flow 3:

Average throughput: 39.84 Mbit/s

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

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:27:31 +0000

End at: Sat, 29 Jul 2017 07:28:01 +0000

Local clock offset: 0.658 ms

Remote clock offset: -1.345 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:49:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 161.63 Mbit/s

95th percentile per-packet one-way delay: 19.848 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 107.46 Mbit/s

95th percentile per-packet one-way delay: 19.748 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 57.85 Mbit/s

95th percentile per-packet one-way delay: 19.993 ms

Loss rate: 0.01%

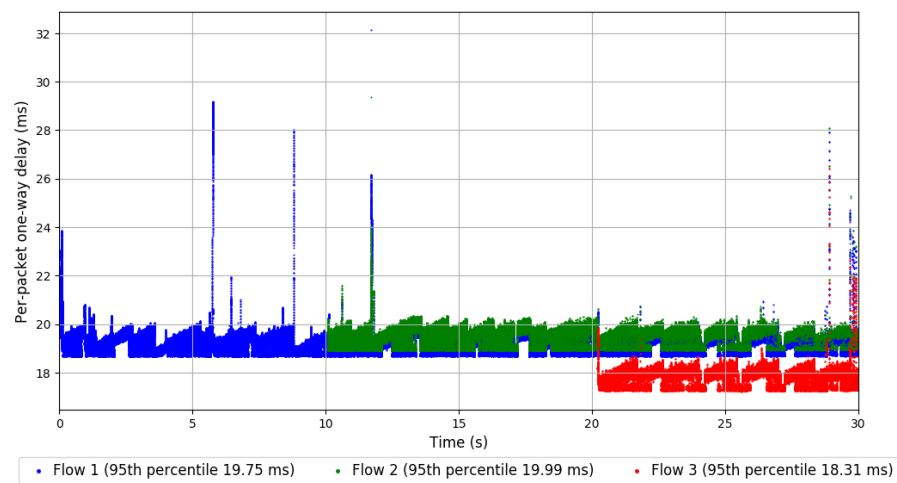
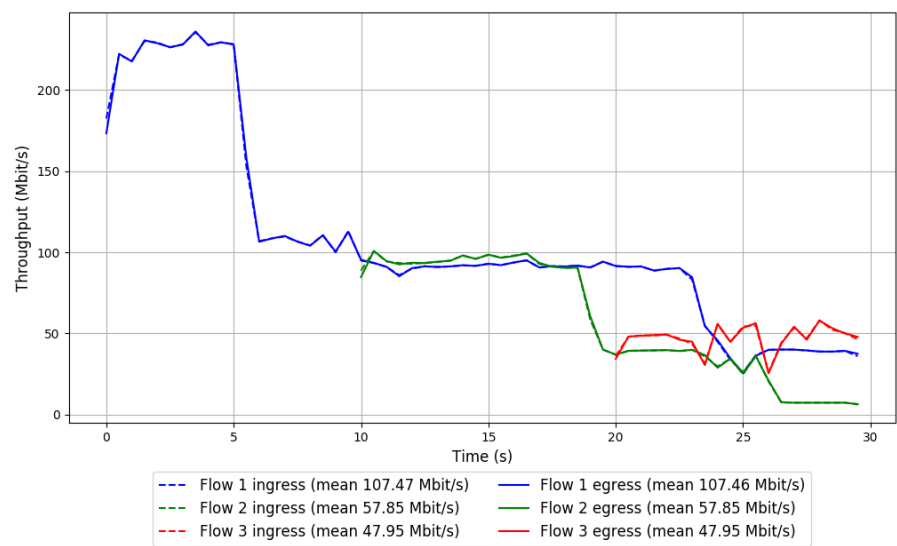
-- Flow 3:

Average throughput: 47.95 Mbit/s

95th percentile per-packet one-way delay: 18.311 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 04:22:19 +0000

End at: Sat, 29 Jul 2017 04:22:49 +0000

Local clock offset: -0.509 ms

Remote clock offset: -2.212 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:49:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.61 Mbit/s

95th percentile per-packet one-way delay: 20.049 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 20.142 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 82.35 Mbit/s

95th percentile per-packet one-way delay: 18.529 ms

Loss rate: 0.03%

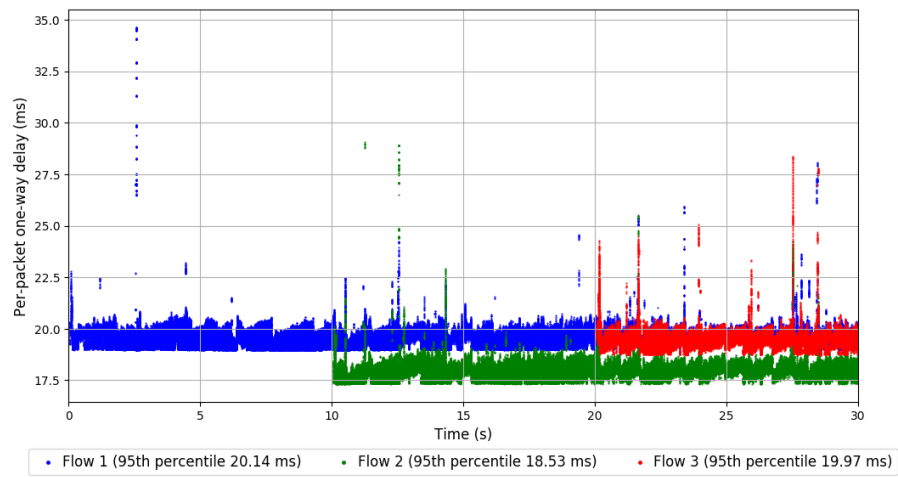
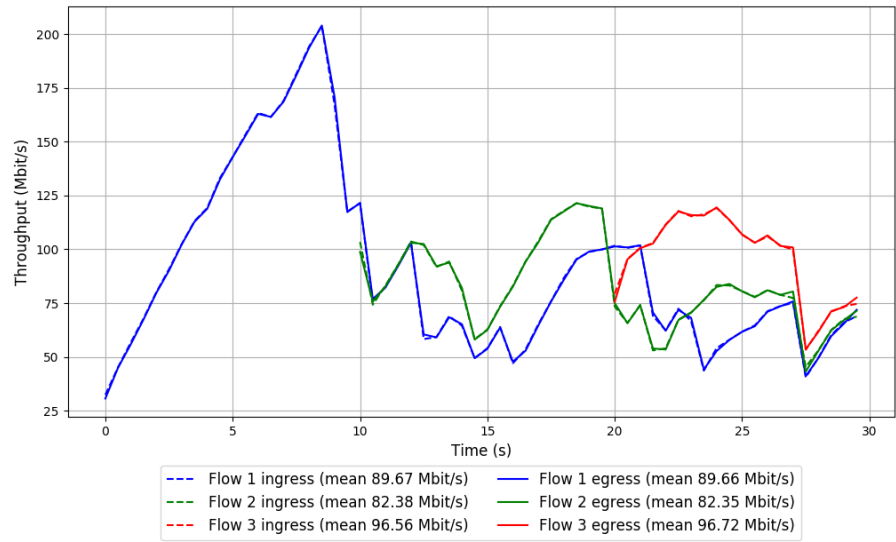
-- Flow 3:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 19.974 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 04:43:11 +0000

End at: Sat, 29 Jul 2017 04:43:41 +0000

Local clock offset: -0.132 ms

Remote clock offset: -2.173 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:49:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.54 Mbit/s

95th percentile per-packet one-way delay: 20.017 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 105.45 Mbit/s

95th percentile per-packet one-way delay: 20.005 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 18.539 ms

Loss rate: 0.05%

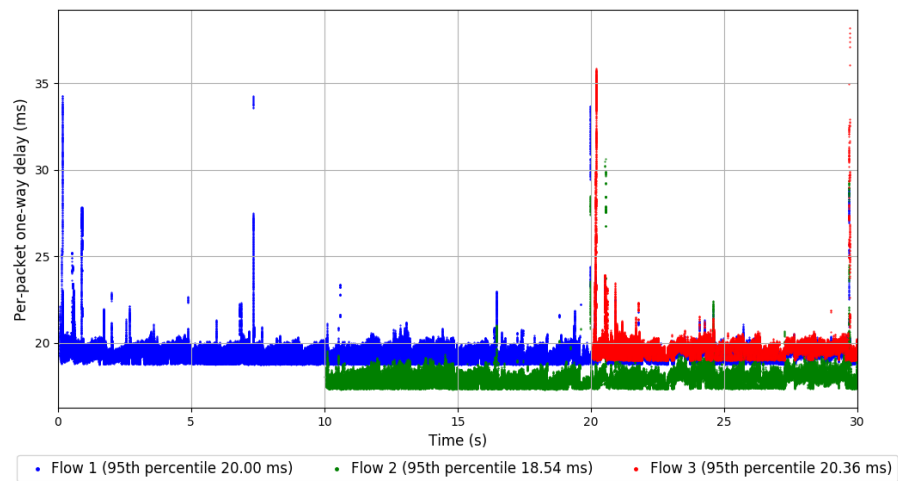
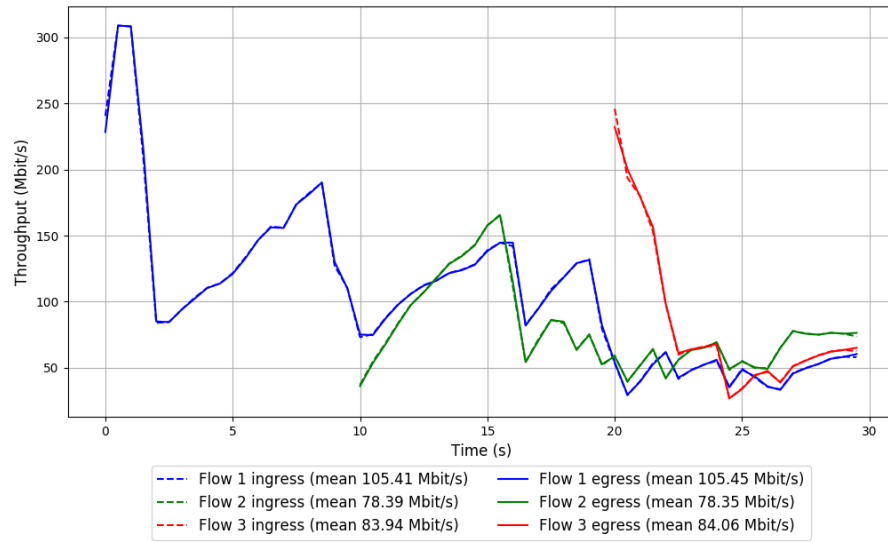
-- Flow 3:

Average throughput: 84.06 Mbit/s

95th percentile per-packet one-way delay: 20.356 ms

Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:03:52 +0000

End at: Sat, 29 Jul 2017 05:04:22 +0000

Local clock offset: 0.277 ms

Remote clock offset: -1.945 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:50:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.21 Mbit/s

95th percentile per-packet one-way delay: 20.018 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 76.22 Mbit/s

95th percentile per-packet one-way delay: 19.908 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 85.72 Mbit/s

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

Loss rate: 0.01%

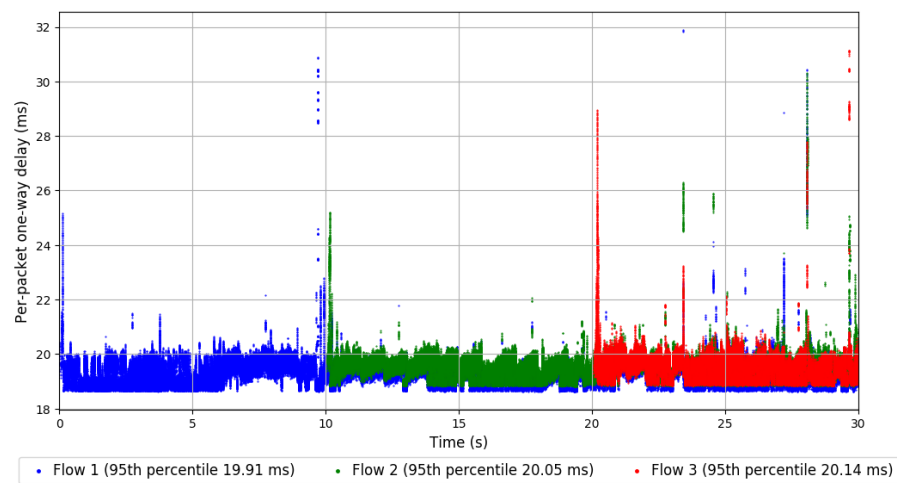
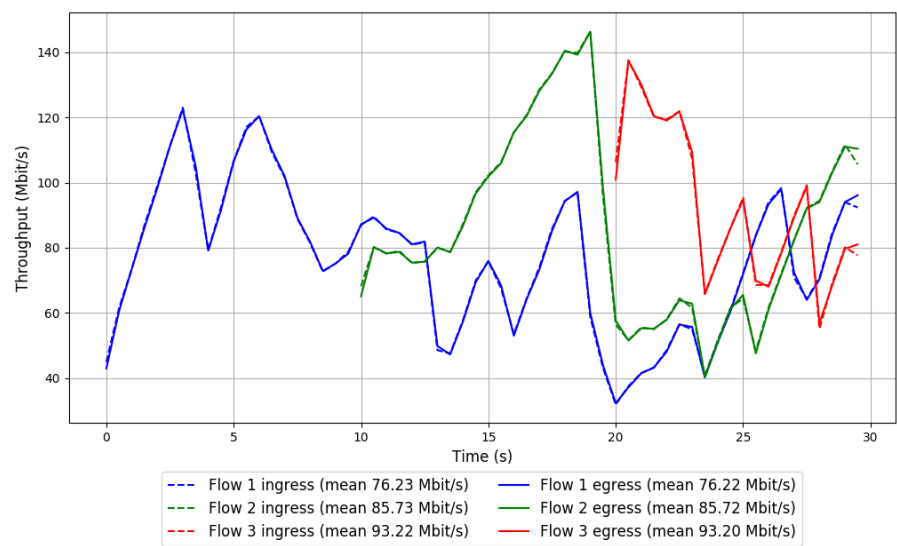
-- Flow 3:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 20.142 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:24:41 +0000

End at: Sat, 29 Jul 2017 05:25:11 +0000

Local clock offset: 0.625 ms

Remote clock offset: -1.505 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:50:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.90 Mbit/s

95th percentile per-packet one-way delay: 20.044 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 20.106 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 18.457 ms

Loss rate: 0.03%

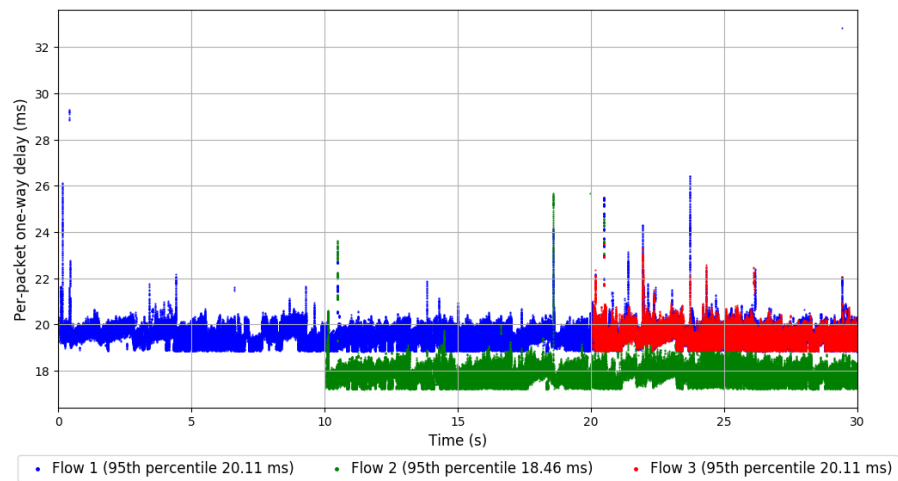
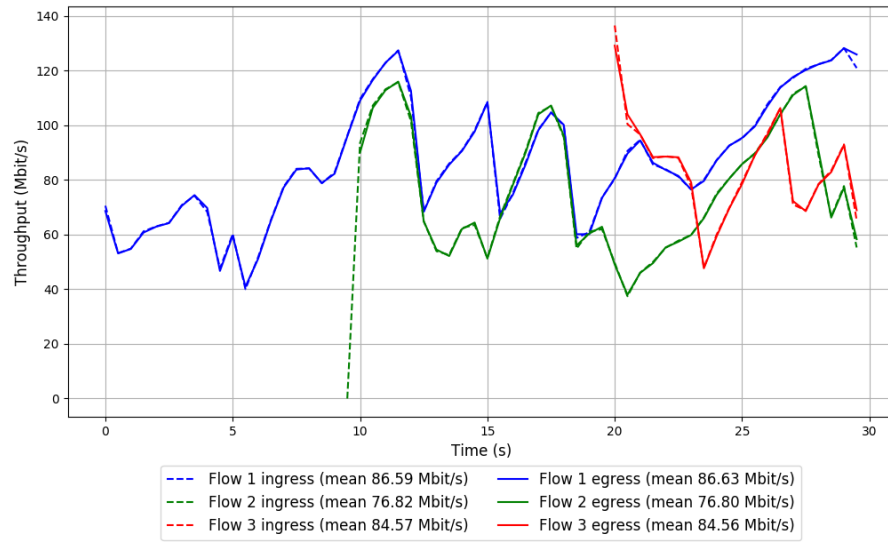
-- Flow 3:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 20.115 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:45:28 +0000

End at: Sat, 29 Jul 2017 05:45:58 +0000

Local clock offset: 0.836 ms

Remote clock offset: -1.188 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:50:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 155.48 Mbit/s

95th percentile per-packet one-way delay: 19.993 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 19.979 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 69.41 Mbit/s

95th percentile per-packet one-way delay: 19.991 ms

Loss rate: 0.03%

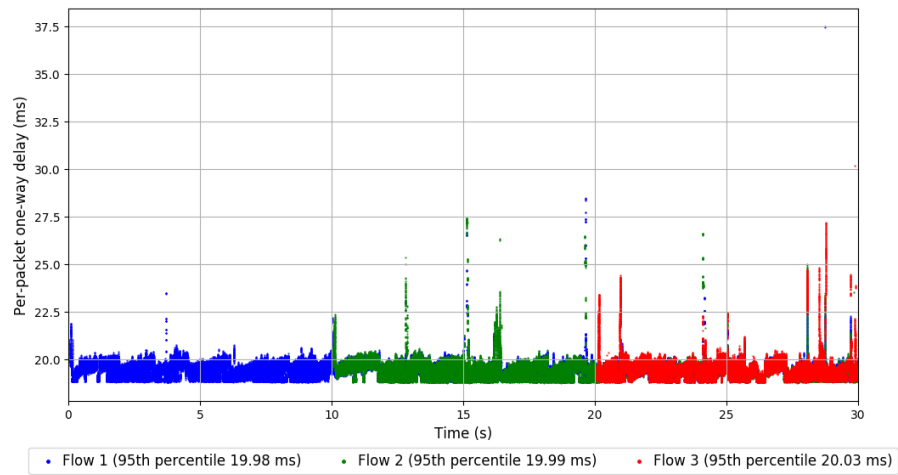
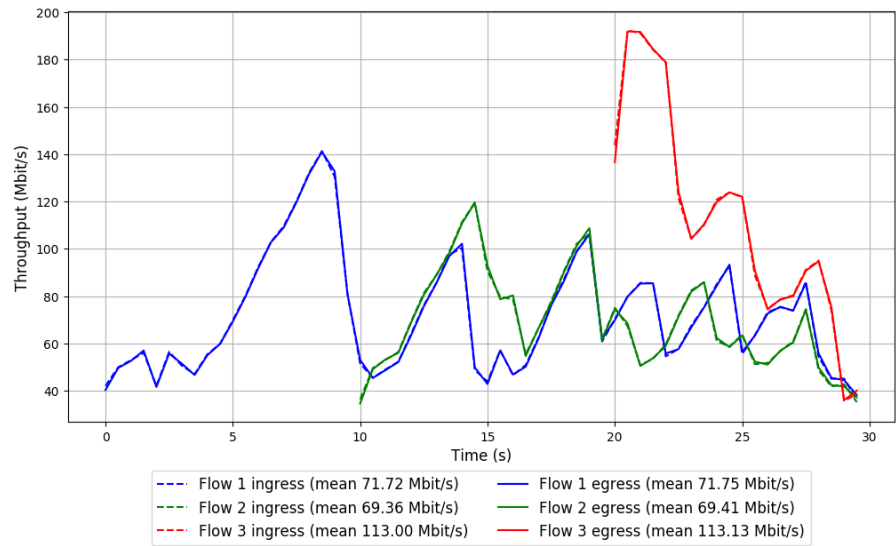
-- Flow 3:

Average throughput: 113.13 Mbit/s

95th percentile per-packet one-way delay: 20.028 ms

Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:06:14 +0000

End at: Sat, 29 Jul 2017 06:06:44 +0000

Local clock offset: 0.966 ms

Remote clock offset: -1.218 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:50:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.85 Mbit/s

95th percentile per-packet one-way delay: 20.215 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 20.237 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 73.69 Mbit/s

95th percentile per-packet one-way delay: 20.183 ms

Loss rate: 0.01%

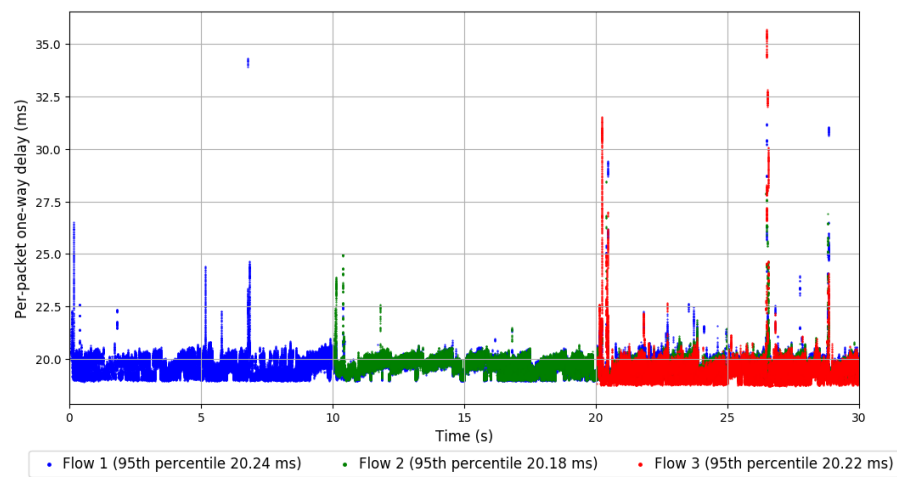
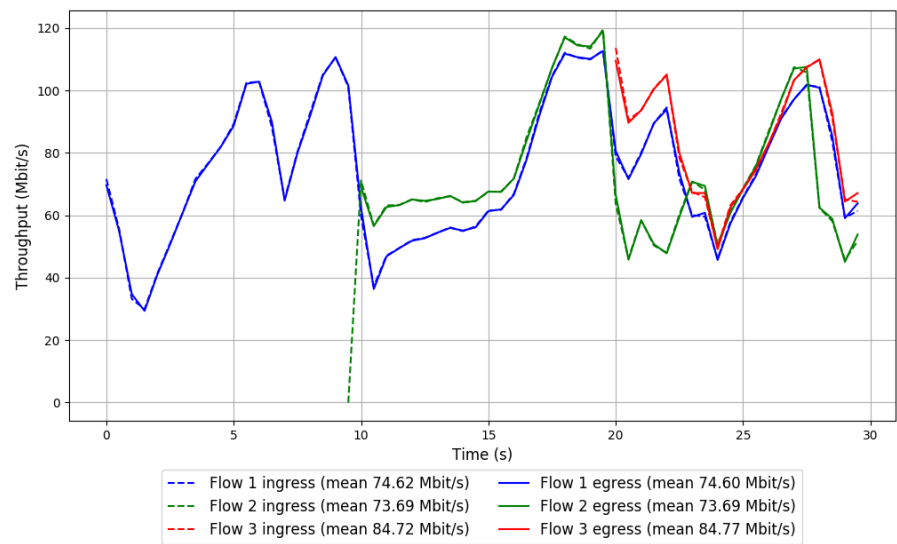
-- Flow 3:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 20.216 ms

Loss rate: 0.10%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:26:59 +0000

End at: Sat, 29 Jul 2017 06:27:29 +0000

Local clock offset: 0.904 ms

Remote clock offset: -1.185 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:50:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 206.32 Mbit/s

95th percentile per-packet one-way delay: 19.942 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 115.59 Mbit/s

95th percentile per-packet one-way delay: 19.904 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 102.43 Mbit/s

95th percentile per-packet one-way delay: 20.019 ms

Loss rate: 0.01%

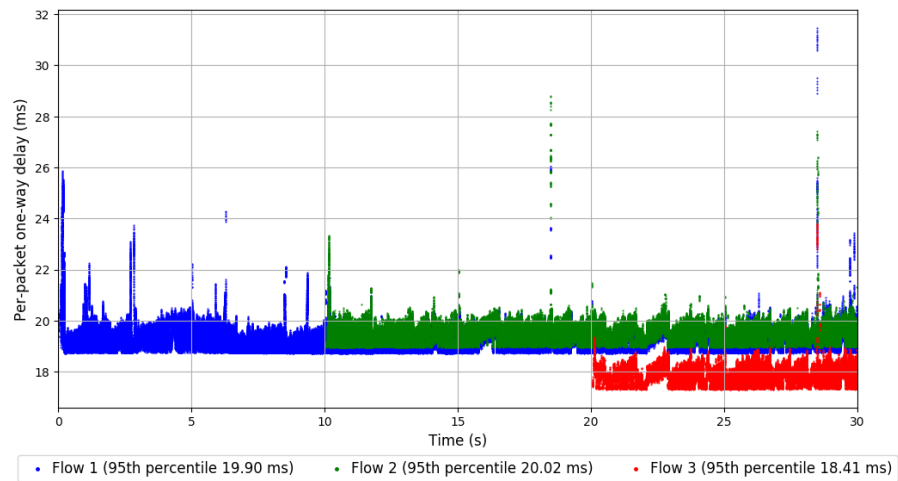
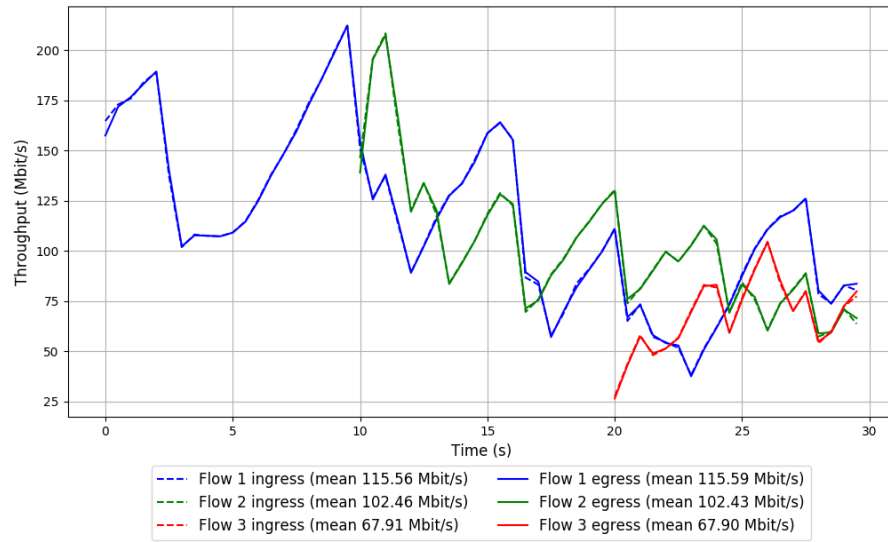
-- Flow 3:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 18.409 ms

Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:47:44 +0000

End at: Sat, 29 Jul 2017 06:48:14 +0000

Local clock offset: 0.855 ms

Remote clock offset: -1.283 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:51:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 161.85 Mbit/s

95th percentile per-packet one-way delay: 19.728 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 77.00 Mbit/s

95th percentile per-packet one-way delay: 19.853 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 79.46 Mbit/s

95th percentile per-packet one-way delay: 18.465 ms

Loss rate: 0.02%

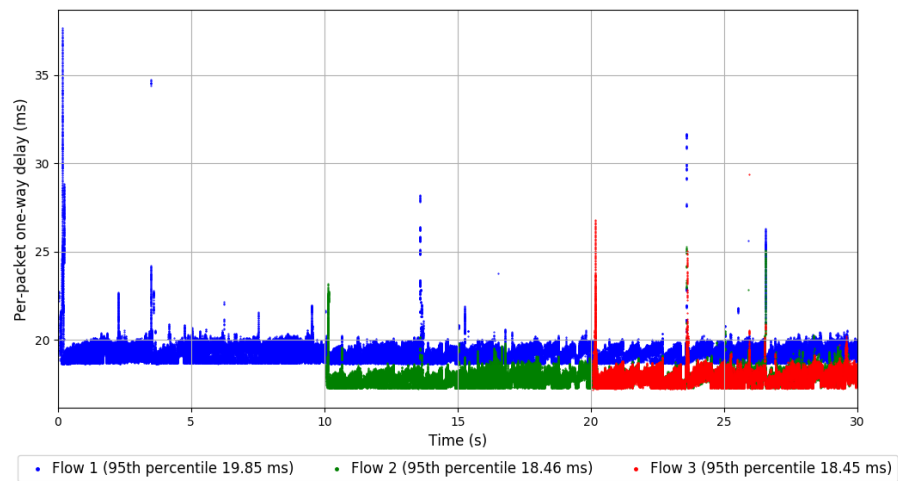
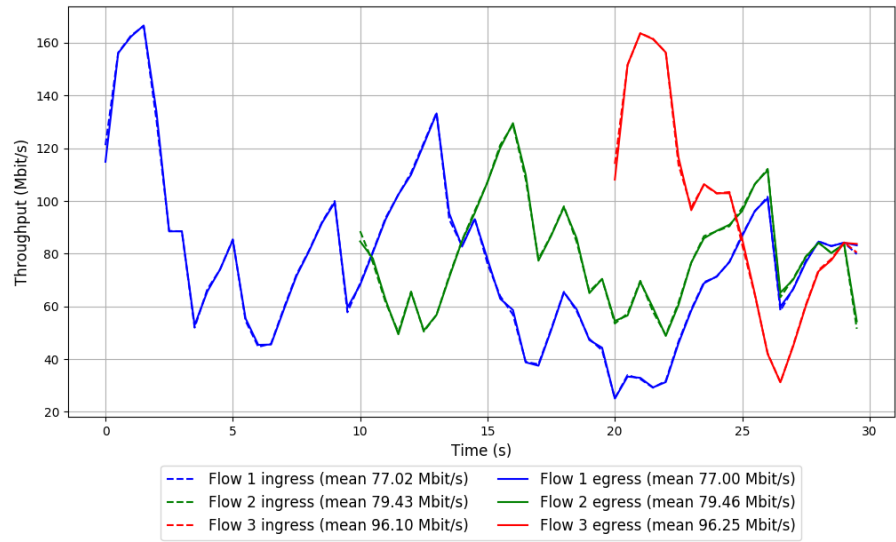
-- Flow 3:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 18.445 ms

Loss rate: 0.04%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:08:18 +0000

End at: Sat, 29 Jul 2017 07:08:48 +0000

Local clock offset: 0.824 ms

Remote clock offset: -1.055 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:51:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 196.65 Mbit/s

95th percentile per-packet one-way delay: 20.022 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 98.50 Mbit/s

95th percentile per-packet one-way delay: 20.070 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 19.981 ms

Loss rate: 0.04%

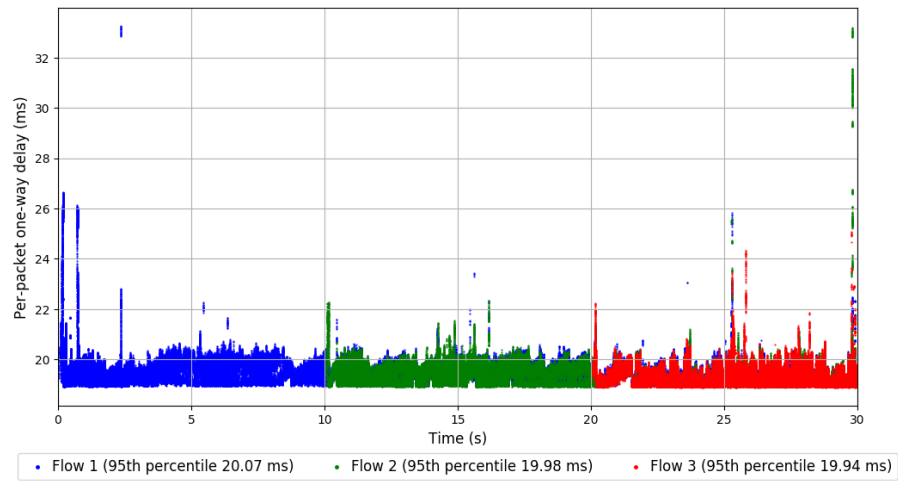
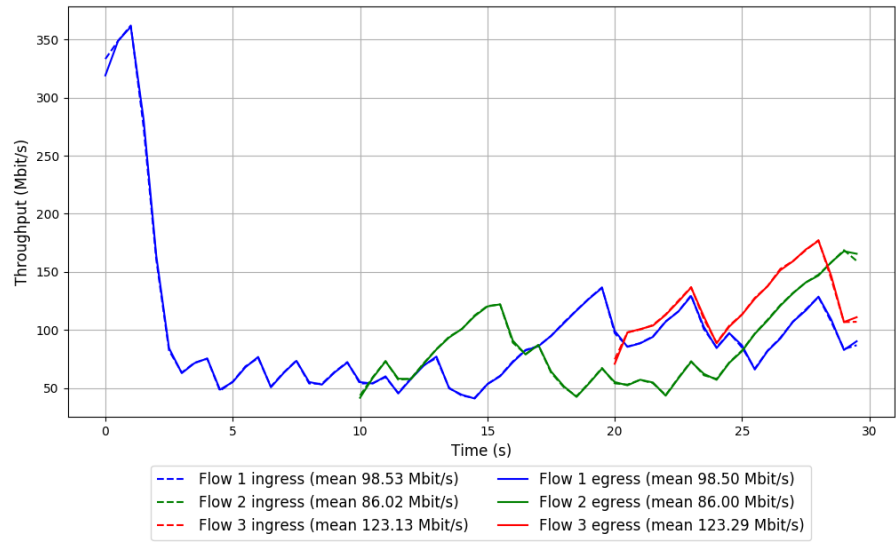
-- Flow 3:

Average throughput: 123.29 Mbit/s

95th percentile per-packet one-way delay: 19.941 ms

Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:28:56 +0000

End at: Sat, 29 Jul 2017 07:29:26 +0000

Local clock offset: 0.785 ms

Remote clock offset: -1.358 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:51:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.57 Mbit/s

95th percentile per-packet one-way delay: 19.900 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 19.800 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 19.739 ms

Loss rate: 0.06%

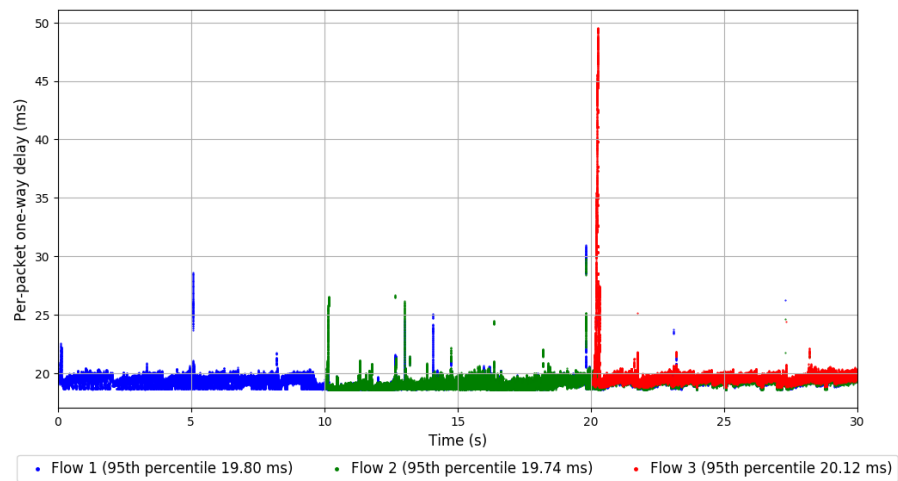
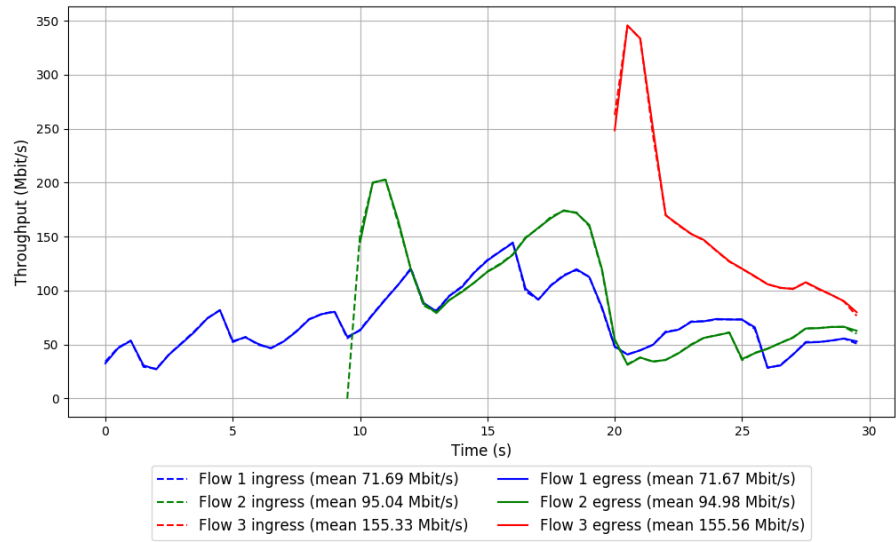
-- Flow 3:

Average throughput: 155.56 Mbit/s

95th percentile per-packet one-way delay: 20.123 ms

Loss rate: 0.04%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 29 Jul 2017 04:33:36 +0000

End at: Sat, 29 Jul 2017 04:34:06 +0000

Local clock offset: -0.216 ms

Remote clock offset: -2.134 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:51:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.53 Mbit/s

95th percentile per-packet one-way delay: 32.183 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 137.39 Mbit/s

95th percentile per-packet one-way delay: 36.965 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 108.09 Mbit/s

95th percentile per-packet one-way delay: 25.488 ms

Loss rate: 0.77%

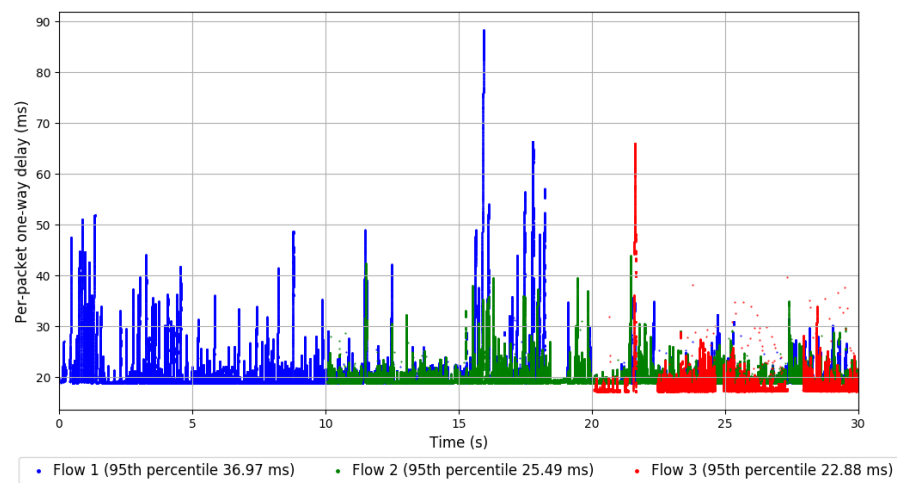
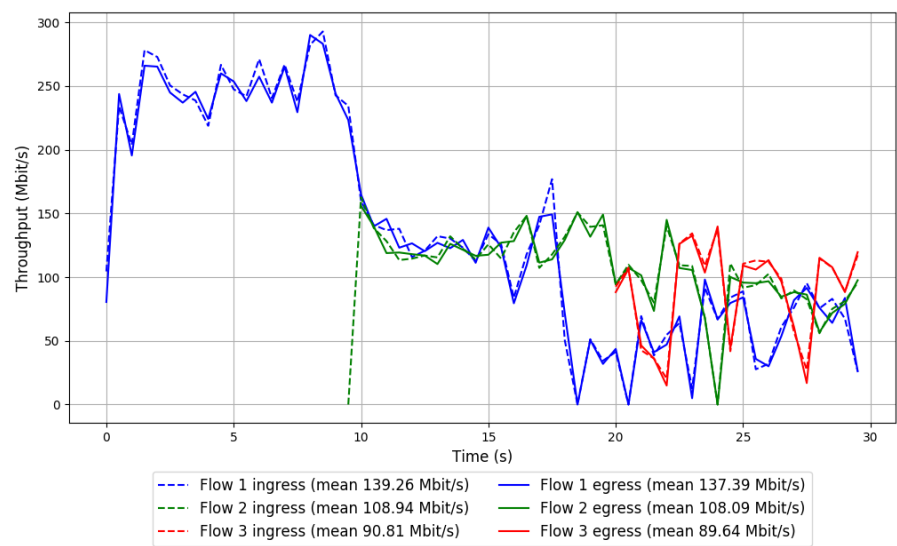
-- Flow 3:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 22.876 ms

Loss rate: 1.28%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 29 Jul 2017 04:54:26 +0000

End at: Sat, 29 Jul 2017 04:54:56 +0000

Local clock offset: 0.138 ms

Remote clock offset: -2.108 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:51:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.13 Mbit/s

95th percentile per-packet one-way delay: 24.980 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 137.57 Mbit/s

95th percentile per-packet one-way delay: 25.658 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 102.44 Mbit/s

95th percentile per-packet one-way delay: 23.300 ms

Loss rate: 0.50%

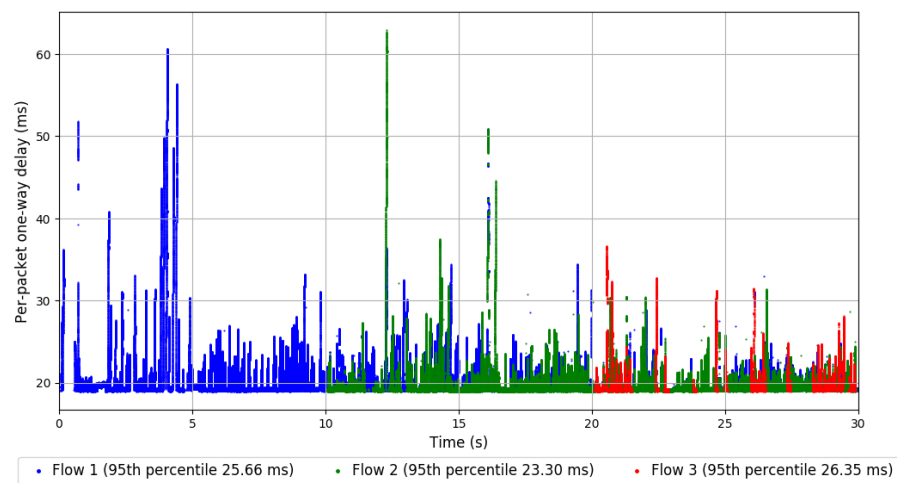
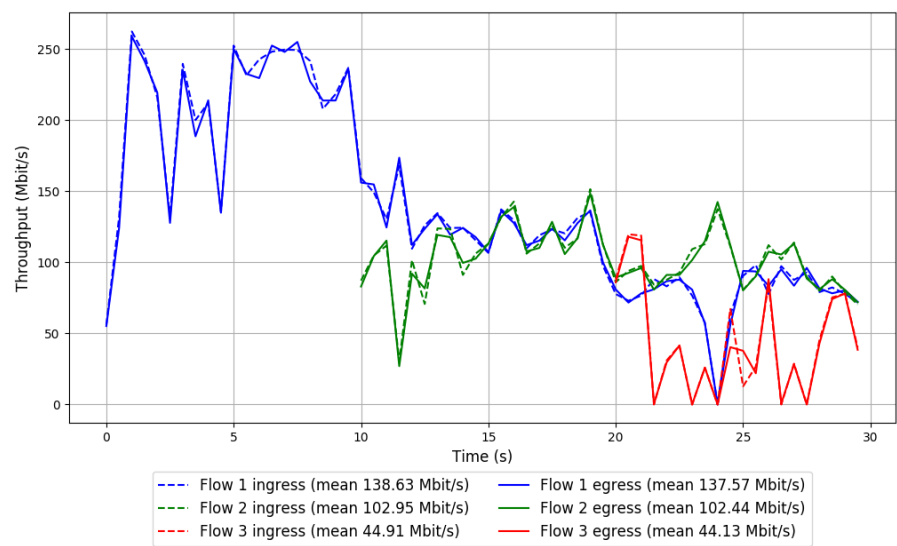
-- Flow 3:

Average throughput: 44.13 Mbit/s

95th percentile per-packet one-way delay: 26.349 ms

Loss rate: 1.73%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:15:11 +0000

End at: Sat, 29 Jul 2017 05:15:41 +0000

Local clock offset: 0.483 ms

Remote clock offset: -1.785 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:52:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.88 Mbit/s

95th percentile per-packet one-way delay: 22.110 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 148.30 Mbit/s

95th percentile per-packet one-way delay: 22.722 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 118.04 Mbit/s

95th percentile per-packet one-way delay: 21.182 ms

Loss rate: 0.20%

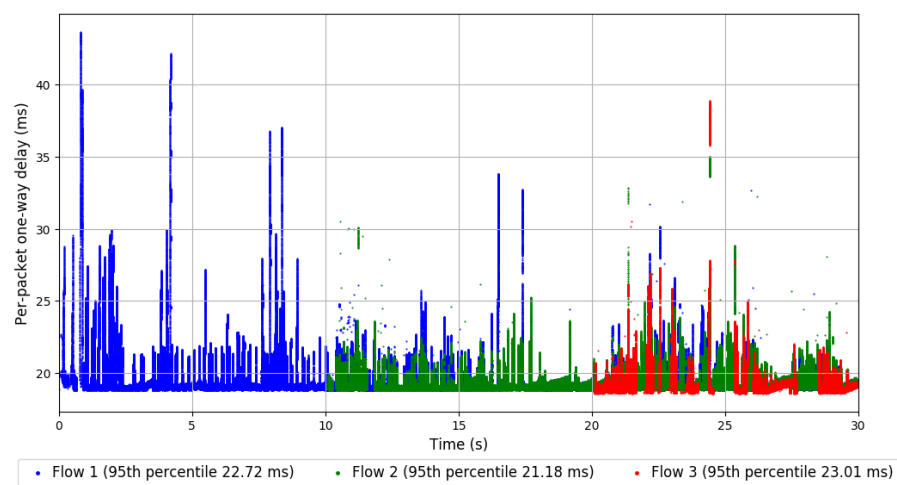
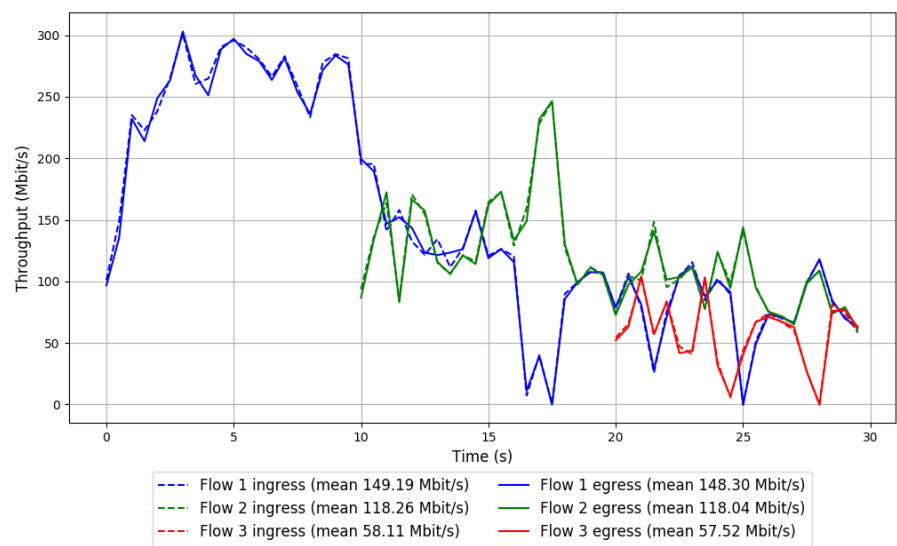
-- Flow 3:

Average throughput: 57.52 Mbit/s

95th percentile per-packet one-way delay: 23.014 ms

Loss rate: 1.06%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:35:54 +0000

End at: Sat, 29 Jul 2017 05:36:24 +0000

Local clock offset: 0.811 ms

Remote clock offset: -1.194 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:52:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.48 Mbit/s

95th percentile per-packet one-way delay: 23.223 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 139.25 Mbit/s

95th percentile per-packet one-way delay: 23.296 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: 23.906 ms

Loss rate: 0.59%

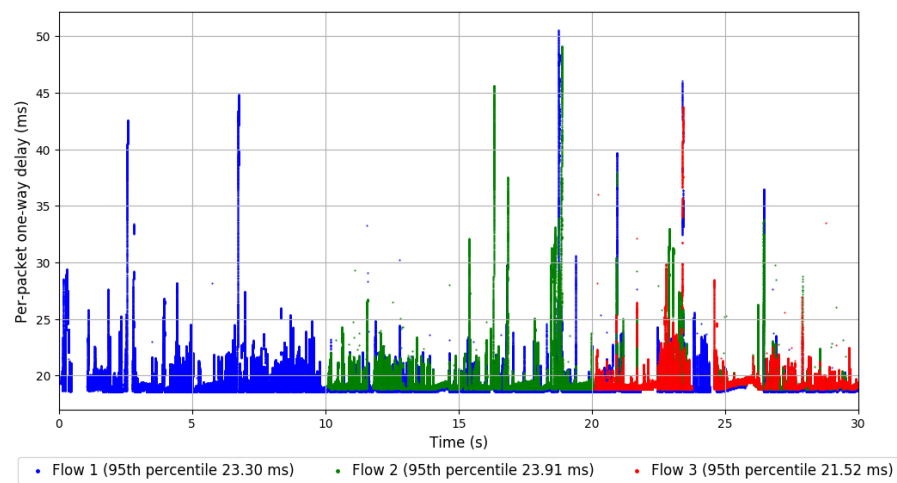
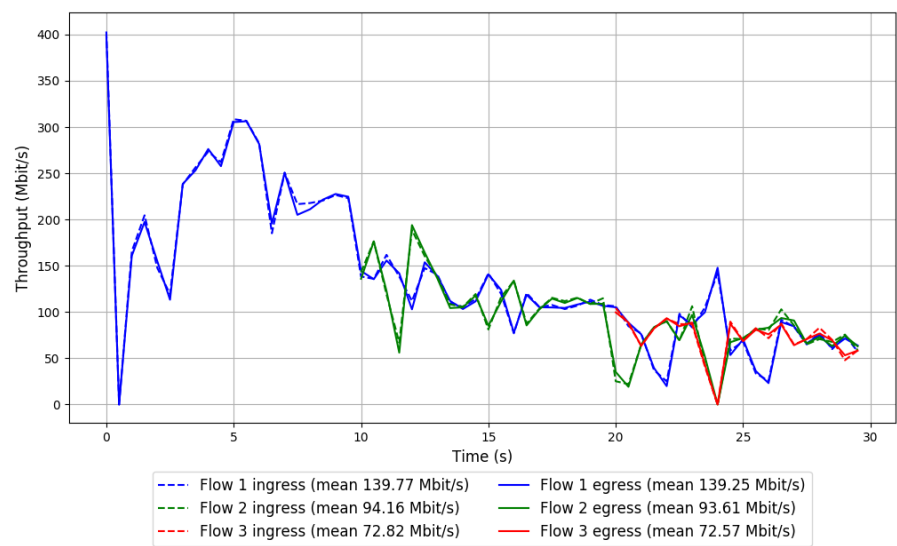
-- Flow 3:

Average throughput: 72.57 Mbit/s

95th percentile per-packet one-way delay: 21.519 ms

Loss rate: 0.33%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:56:44 +0000

End at: Sat, 29 Jul 2017 05:57:14 +0000

Local clock offset: 1.04 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:52:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.27 Mbit/s

95th percentile per-packet one-way delay: 23.168 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 144.00 Mbit/s

95th percentile per-packet one-way delay: 22.750 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 23.004 ms

Loss rate: 0.65%

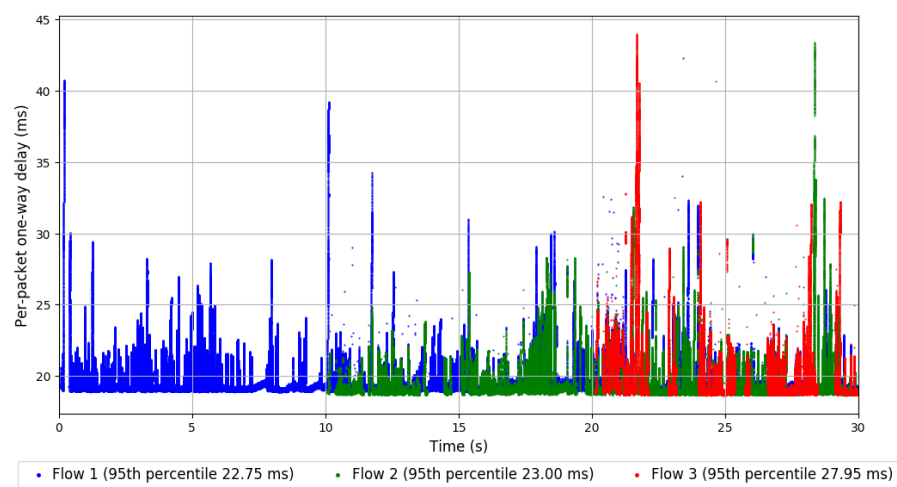
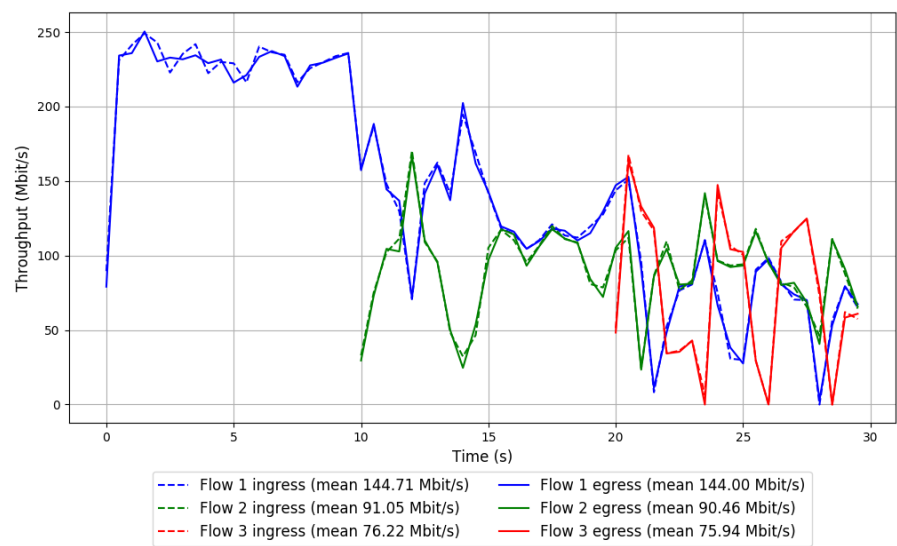
-- Flow 3:

Average throughput: 75.94 Mbit/s

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

Loss rate: 0.39%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:17:28 +0000

End at: Sat, 29 Jul 2017 06:17:58 +0000

Local clock offset: 1.019 ms

Remote clock offset: -1.212 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:52:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.69 Mbit/s

95th percentile per-packet one-way delay: 33.685 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 133.92 Mbit/s

95th percentile per-packet one-way delay: 40.361 ms

Loss rate: 1.42%

-- Flow 2:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 21.719 ms

Loss rate: 0.99%

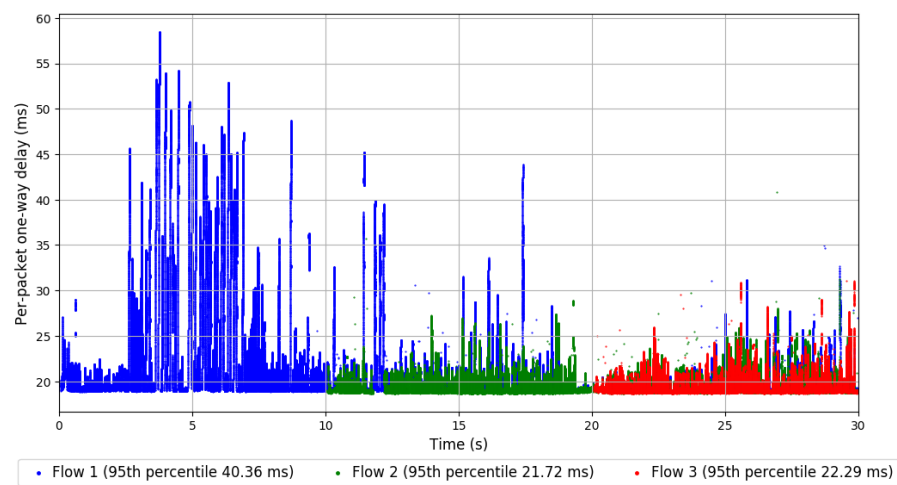
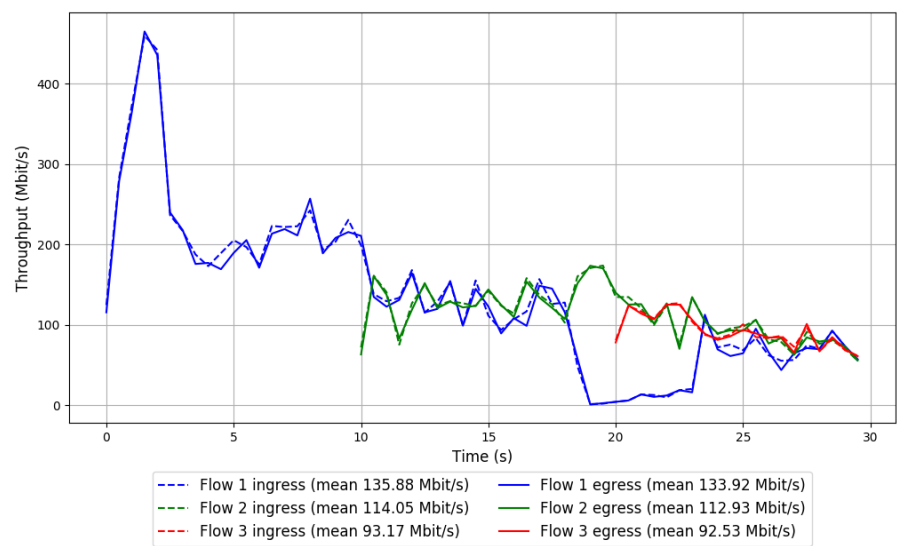
-- Flow 3:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 22.287 ms

Loss rate: 0.72%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:38:15 +0000

End at: Sat, 29 Jul 2017 06:38:45 +0000

Local clock offset: 0.844 ms

Remote clock offset: -1.271 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.08 Mbit/s

95th percentile per-packet one-way delay: 23.692 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 157.31 Mbit/s

95th percentile per-packet one-way delay: 22.387 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 26.835 ms

Loss rate: 0.87%

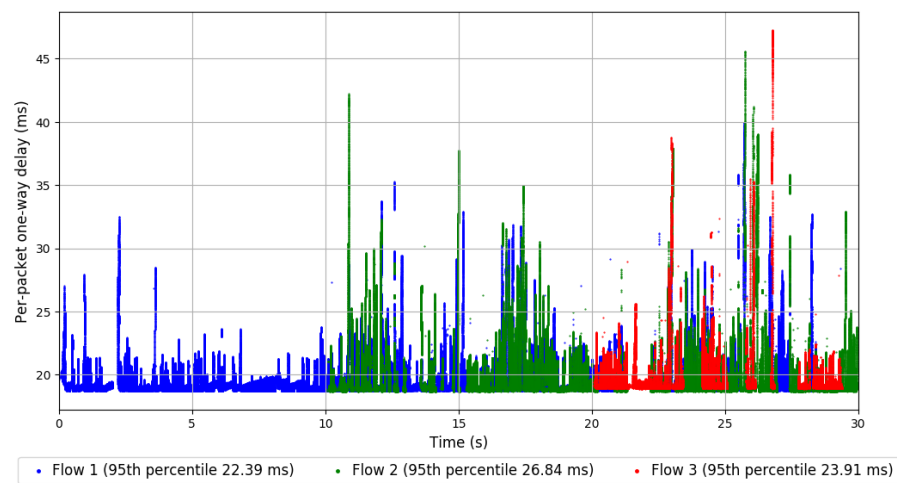
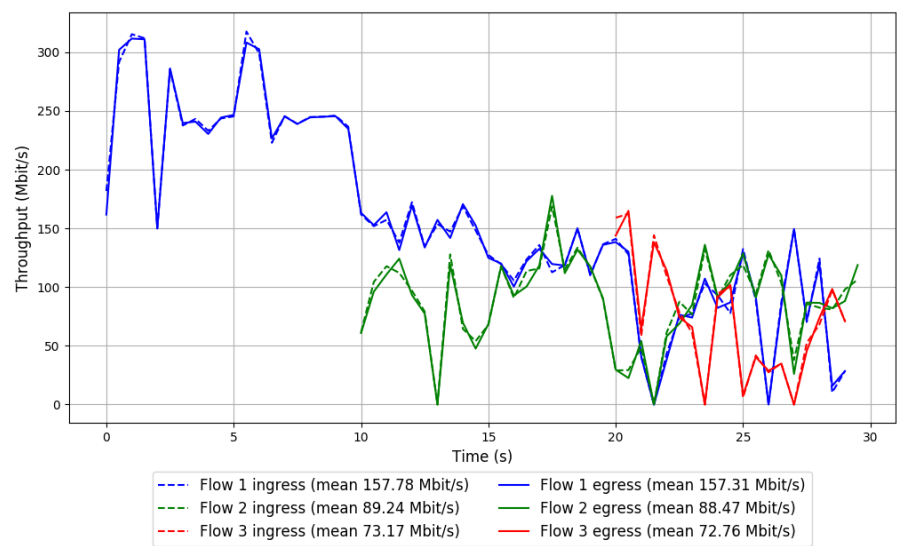
-- Flow 3:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 23.909 ms

Loss rate: 0.56%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:58:54 +0000

End at: Sat, 29 Jul 2017 06:59:24 +0000

Local clock offset: 0.789 ms

Remote clock offset: -1.19 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.28 Mbit/s

95th percentile per-packet one-way delay: 26.526 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 140.47 Mbit/s

95th percentile per-packet one-way delay: 23.395 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 38.23 Mbit/s

95th percentile per-packet one-way delay: 33.735 ms

Loss rate: 3.16%

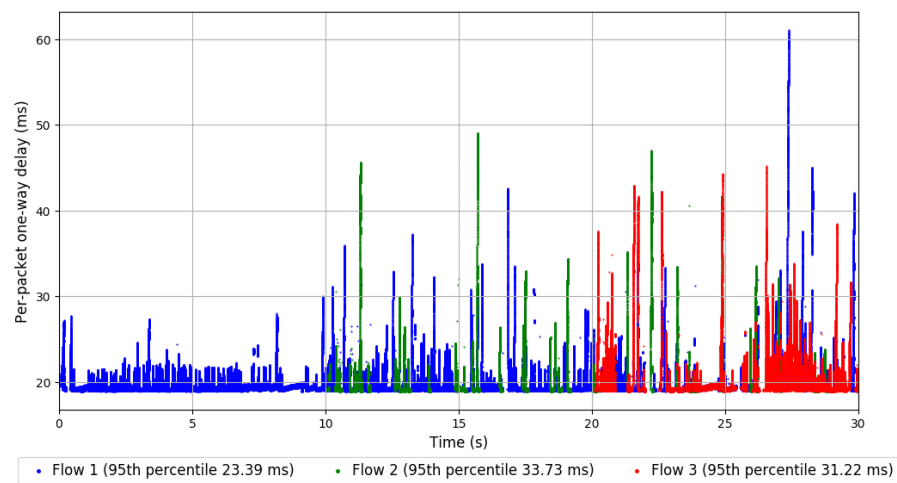
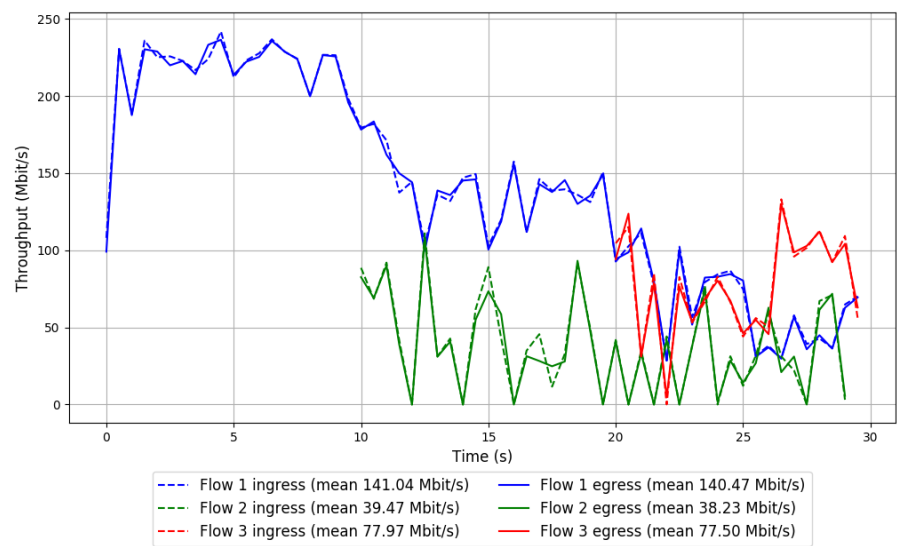
-- Flow 3:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 31.224 ms

Loss rate: 0.67%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:19:24 +0000

End at: Sat, 29 Jul 2017 07:19:54 +0000

Local clock offset: 0.699 ms

Remote clock offset: -1.215 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.47 Mbit/s

95th percentile per-packet one-way delay: 22.417 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 140.21 Mbit/s

95th percentile per-packet one-way delay: 22.919 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 104.91 Mbit/s

95th percentile per-packet one-way delay: 22.202 ms

Loss rate: 0.43%

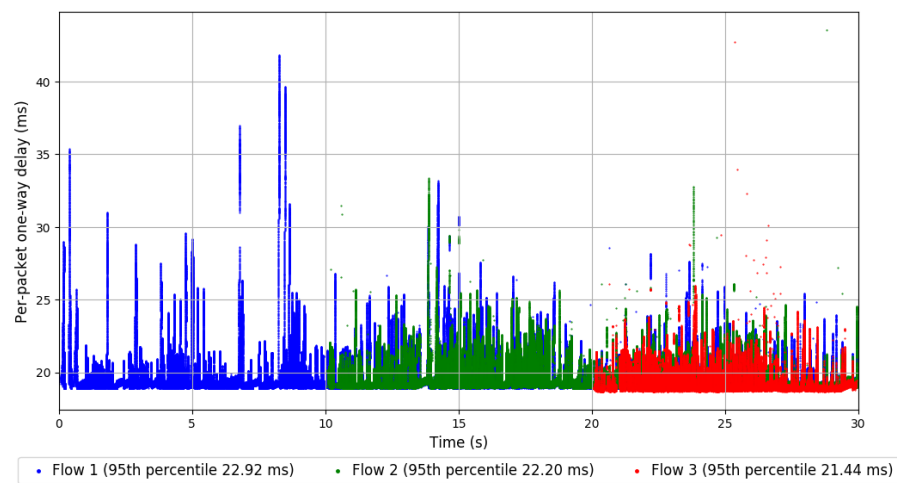
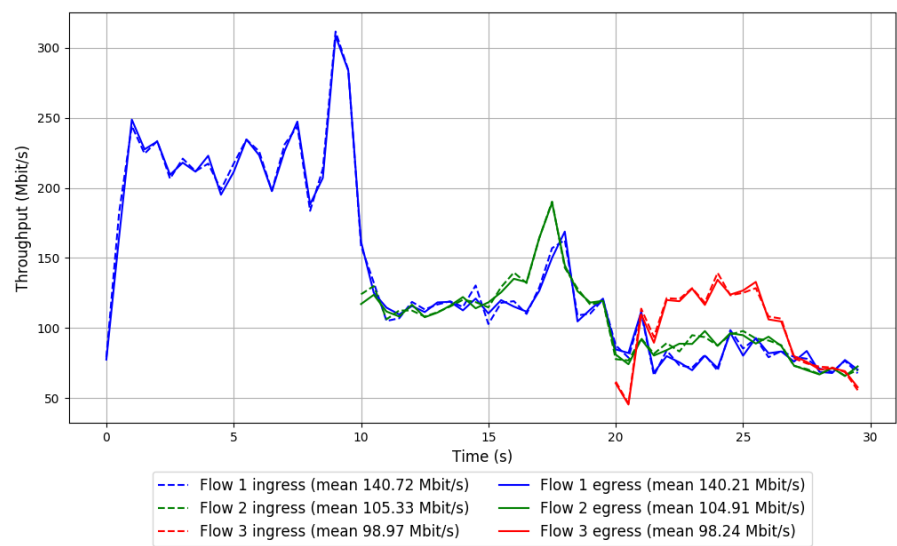
-- Flow 3:

Average throughput: 98.24 Mbit/s

95th percentile per-packet one-way delay: 21.439 ms

Loss rate: 0.74%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:40:08 +0000

End at: Sat, 29 Jul 2017 07:40:38 +0000

Local clock offset: 0.682 ms

Remote clock offset: -1.221 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.51 Mbit/s

95th percentile per-packet one-way delay: 21.569 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 143.73 Mbit/s

95th percentile per-packet one-way delay: 21.924 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 102.67 Mbit/s

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

Loss rate: 0.84%

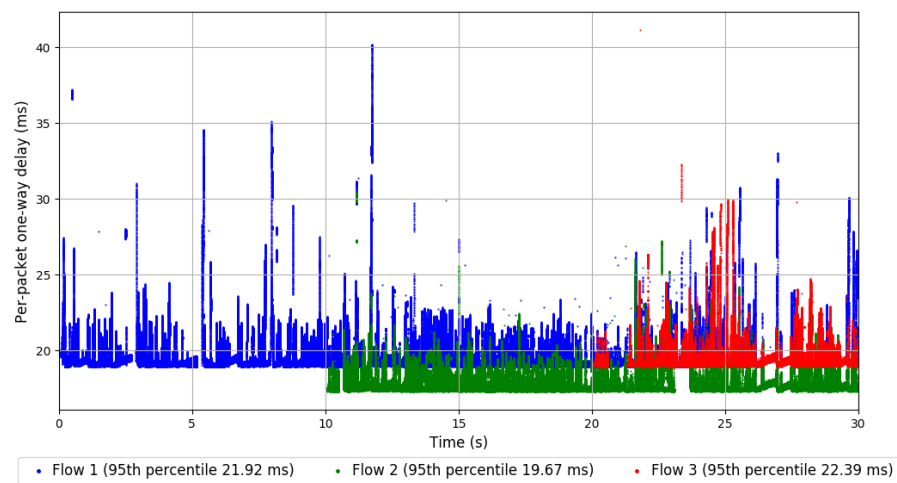
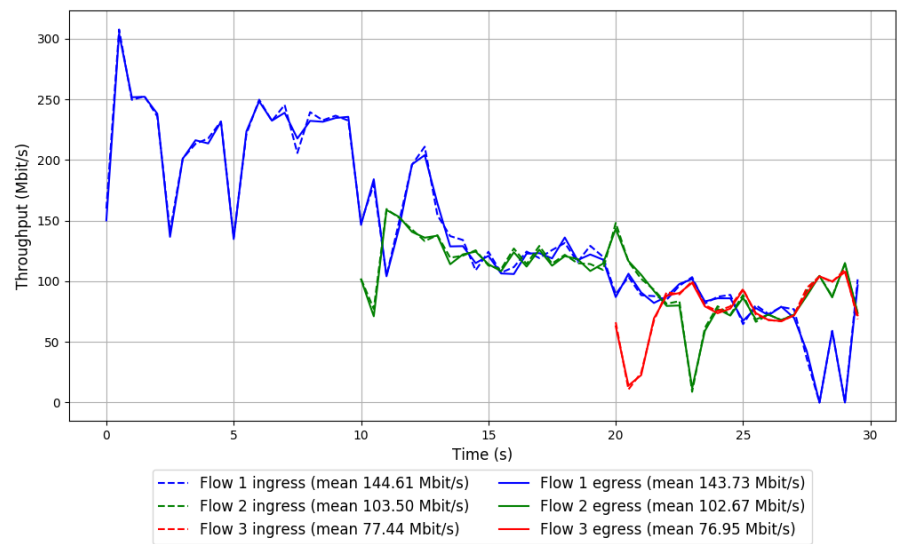
-- Flow 3:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 22.391 ms

Loss rate: 0.68%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 04:23:39 +0000

End at: Sat, 29 Jul 2017 04:24:09 +0000

Local clock offset: -0.41 ms

Remote clock offset: -2.196 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 20.004 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 19.824 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 20.155 ms

Loss rate: 0.00%

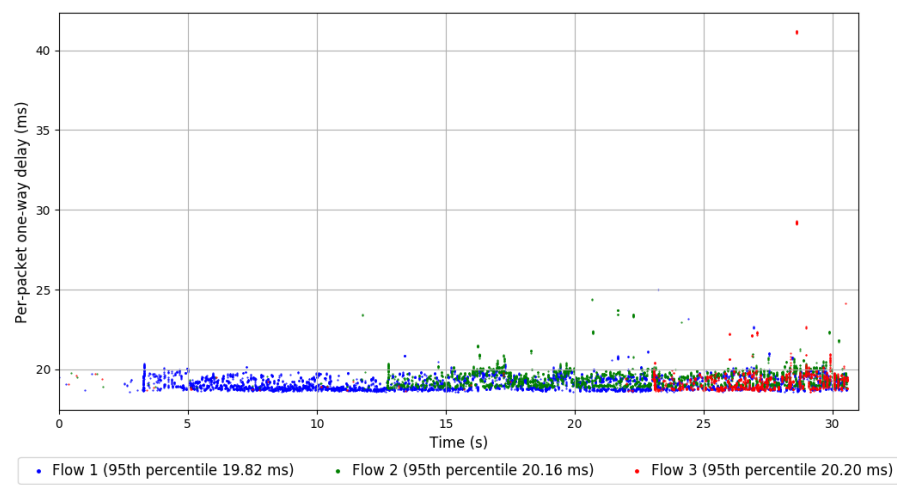
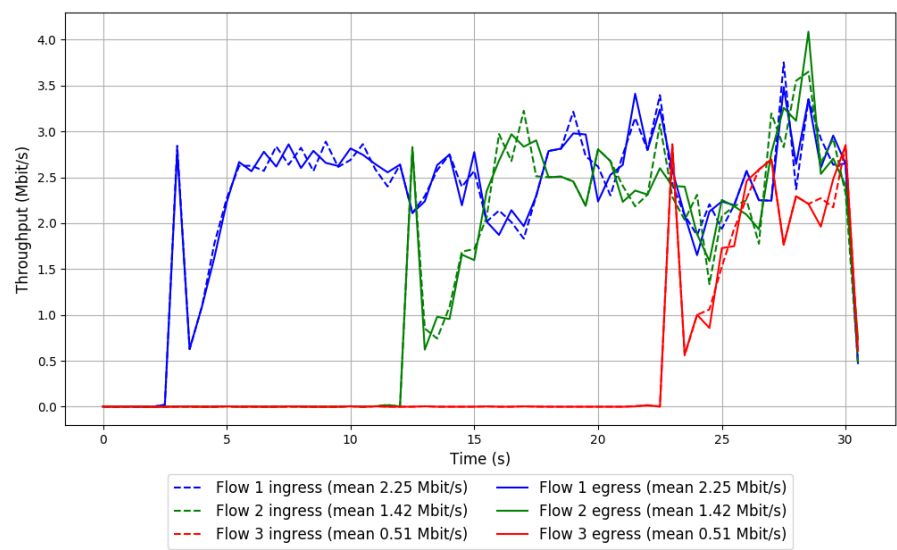
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 20.198 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 04:44:31 +0000

End at: Sat, 29 Jul 2017 04:45:01 +0000

Local clock offset: -0.034 ms

Remote clock offset: -2.117 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 20.017 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 20.040 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 18.672 ms

Loss rate: 0.10%

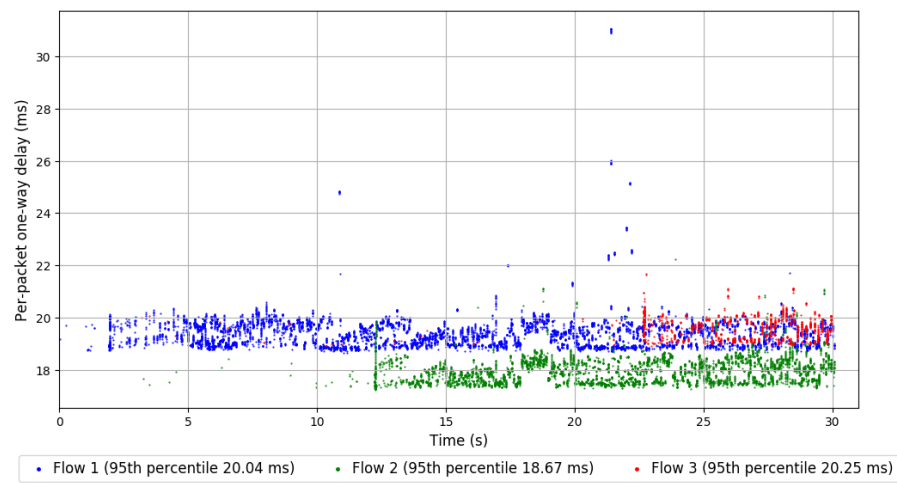
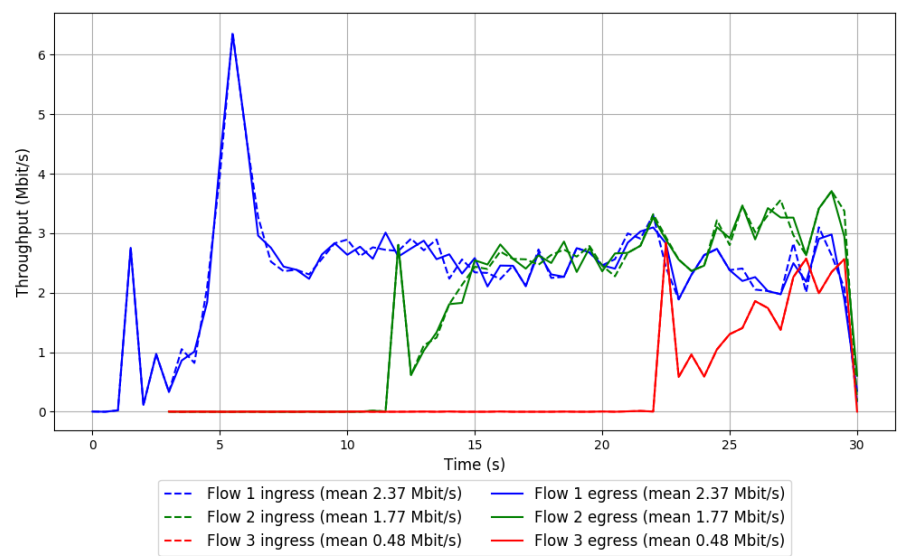
-- Flow 3:

Average throughput: 0.48 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 05:05:11 +0000

End at: Sat, 29 Jul 2017 05:05:41 +0000

Local clock offset: 0.321 ms

Remote clock offset: -1.887 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:53:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 19.971 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 19.998 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 19.847 ms

Loss rate: 0.09%

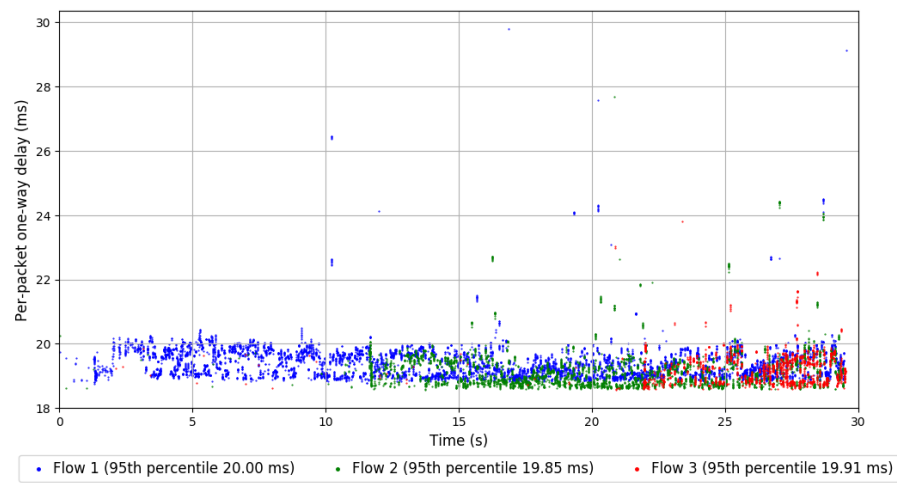
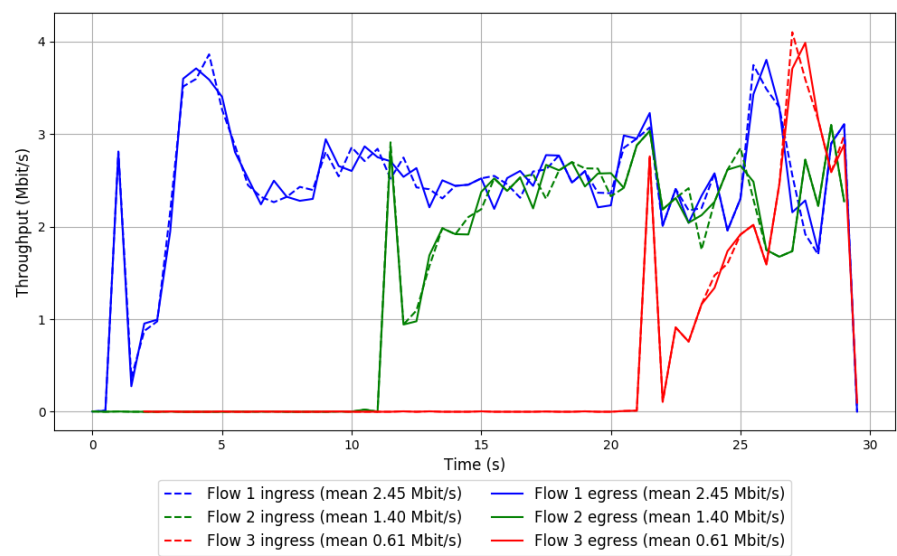
-- Flow 3:

Average throughput: 0.61 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 05:26:00 +0000

End at: Sat, 29 Jul 2017 05:26:31 +0000

Local clock offset: 0.659 ms

Remote clock offset: -1.489 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.16 Mbit/s

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

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.679 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 20.098 ms

Loss rate: 0.03%

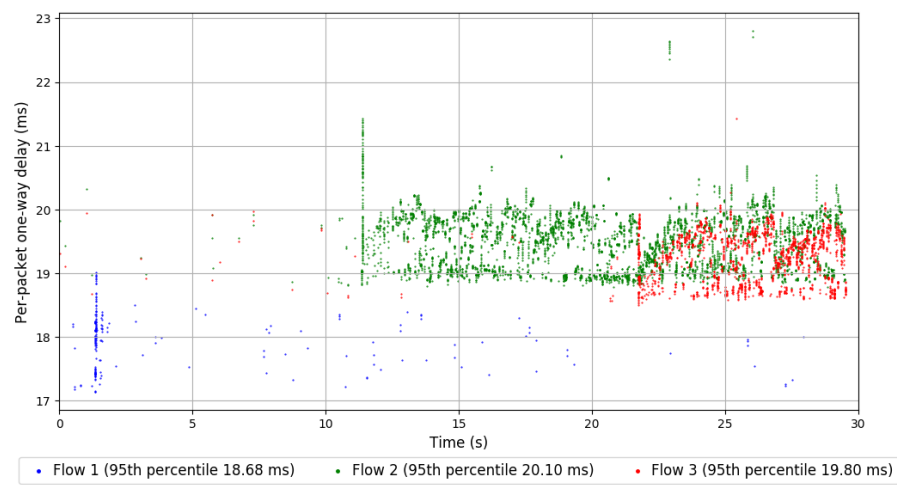
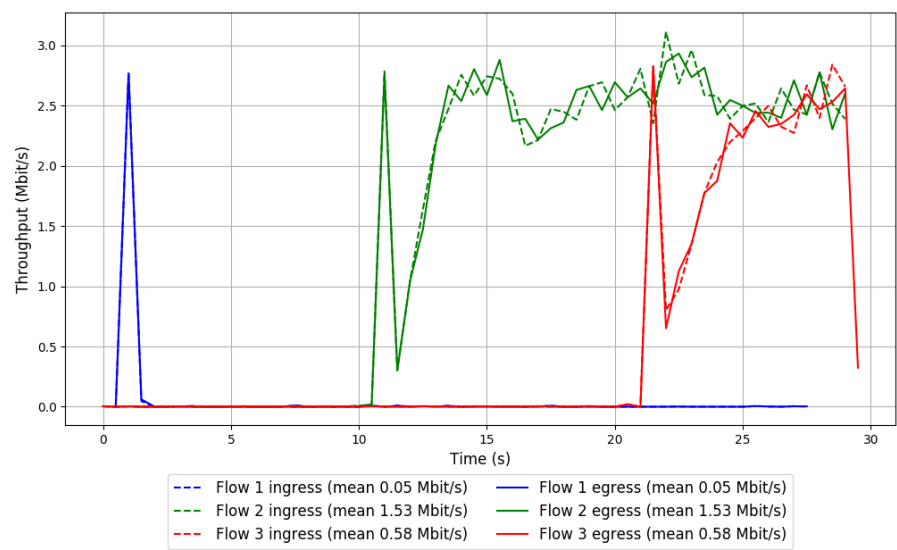
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 19.803 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 05:46:47 +0000

End at: Sat, 29 Jul 2017 05:47:17 +0000

Local clock offset: 0.834 ms

Remote clock offset: -1.213 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 20.062 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 20.260 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 20.091 ms

Loss rate: 0.00%

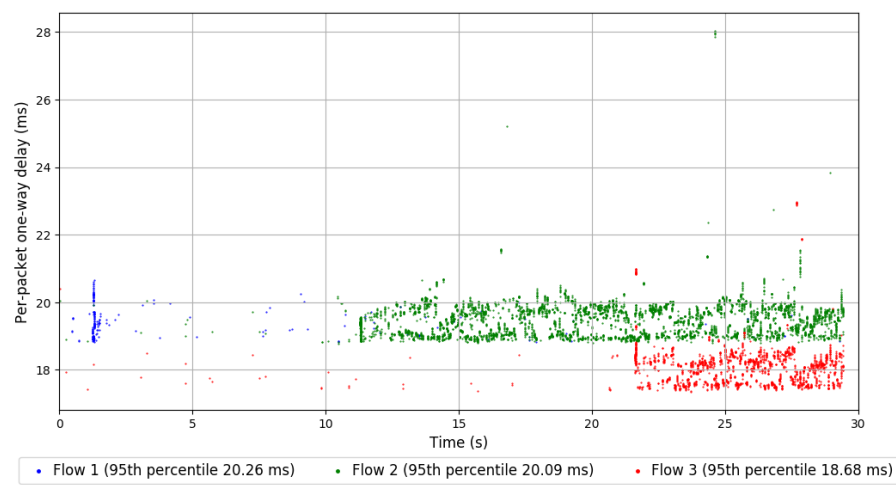
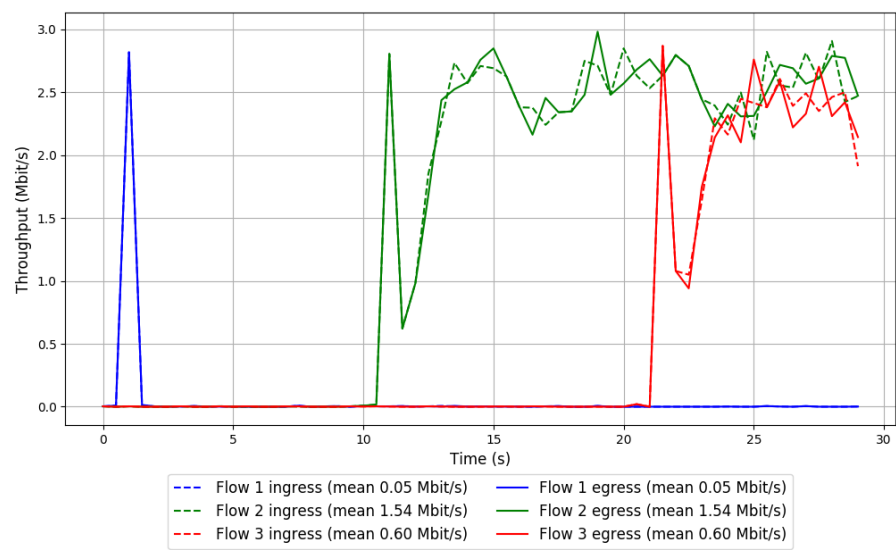
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 18.678 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 06:07:33 +0000

End at: Sat, 29 Jul 2017 06:08:03 +0000

Local clock offset: 0.963 ms

Remote clock offset: -1.236 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 20.195 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 20.000 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 20.325 ms

Loss rate: 0.02%

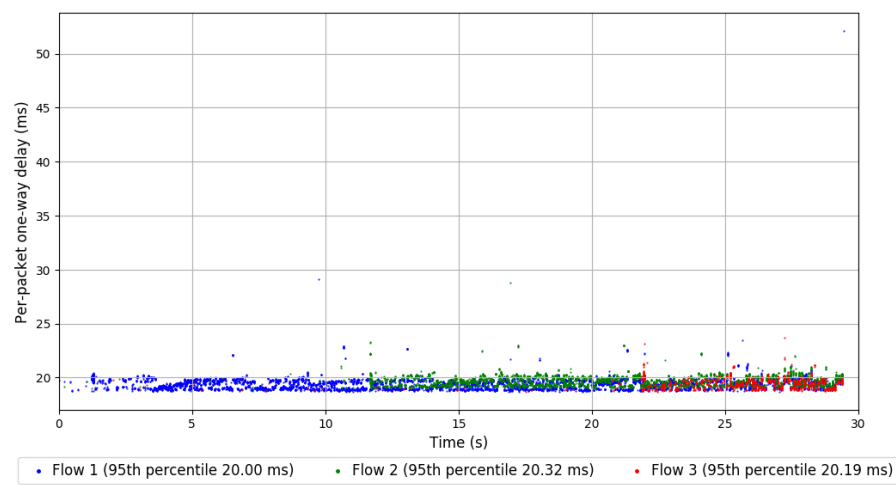
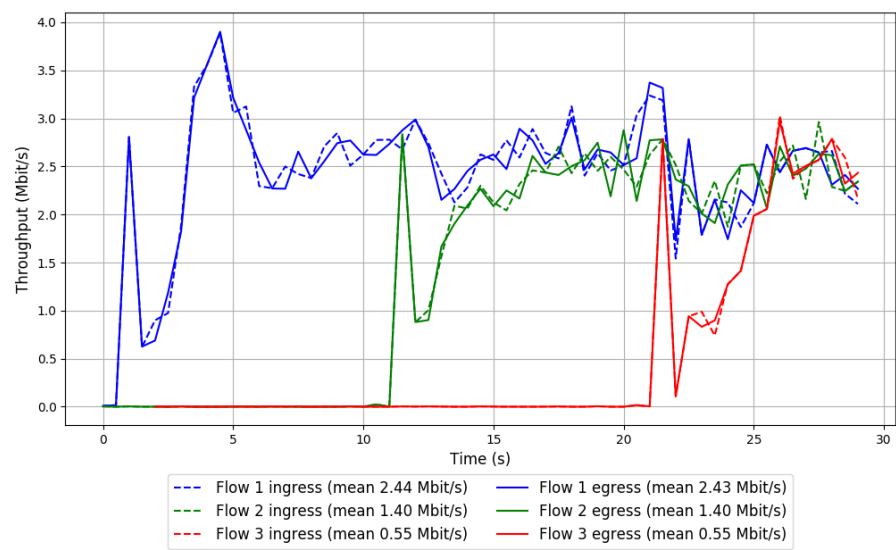
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 20.188 ms

Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 06:28:21 +0000

End at: Sat, 29 Jul 2017 06:28:51 +0000

Local clock offset: 0.907 ms

Remote clock offset: -1.189 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 20.128 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 20.172 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 20.099 ms

Loss rate: 0.00%

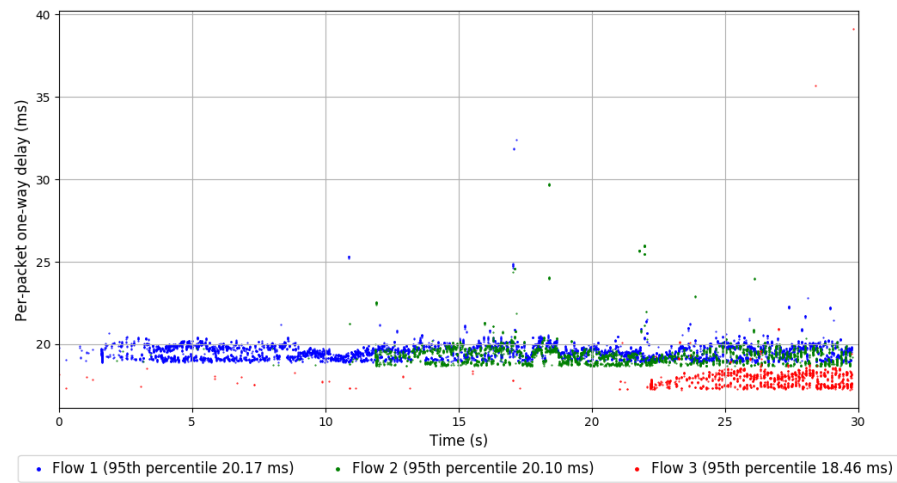
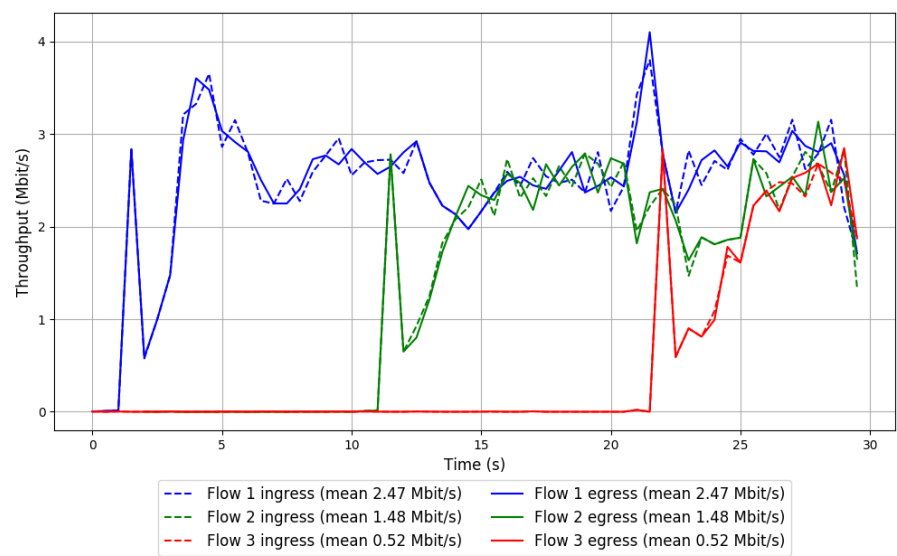
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 18.463 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 06:49:03 +0000

End at: Sat, 29 Jul 2017 06:49:33 +0000

Local clock offset: 0.835 ms

Remote clock offset: -1.274 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 20.138 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 19.949 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 20.205 ms

Loss rate: 0.00%

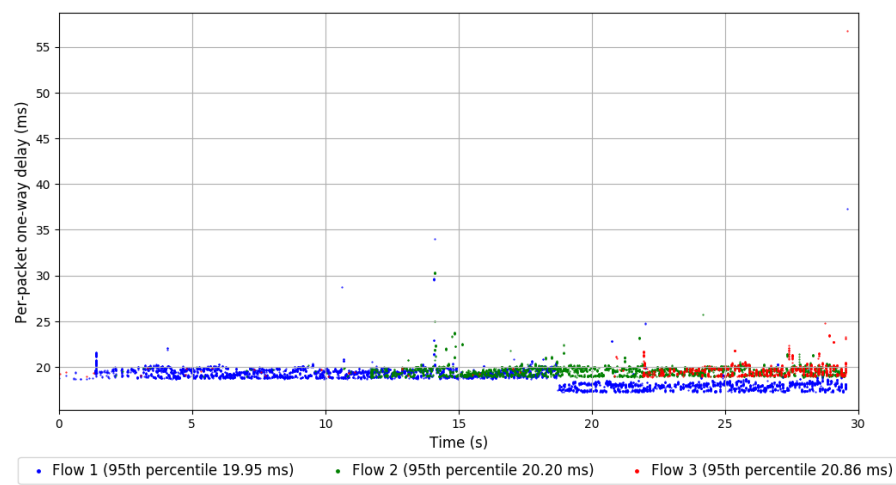
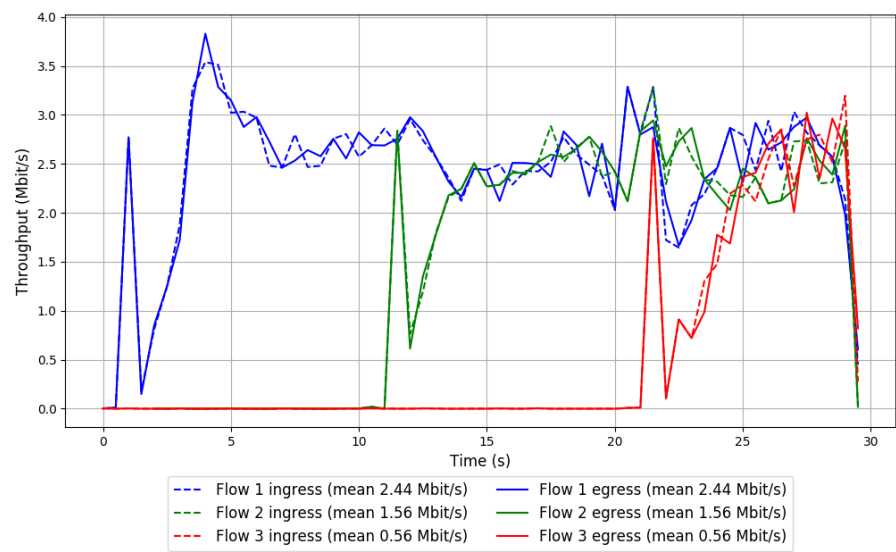
-- Flow 3:

Average throughput: 0.56 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:09:38 +0000

End at: Sat, 29 Jul 2017 07:10:08 +0000

Local clock offset: 0.842 ms

Remote clock offset: -1.057 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 20.146 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 20.176 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 20.118 ms

Loss rate: 0.09%

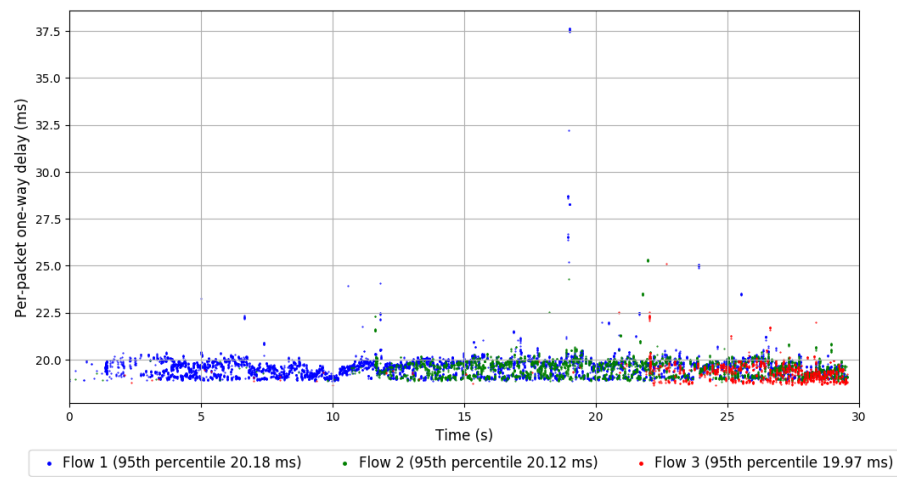
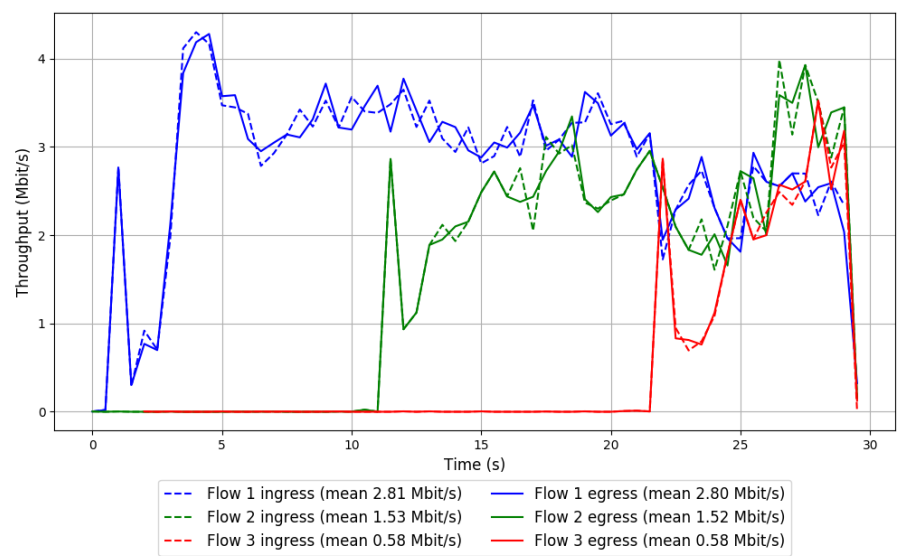
-- Flow 3:

Average throughput: 0.58 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:30:16 +0000

End at: Sat, 29 Jul 2017 07:30:46 +0000

Local clock offset: 0.745 ms

Remote clock offset: -1.298 ms

Below is generated by plot.py at Sat, 29 Jul 2017 13:54:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 20.093 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 20.202 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 20.089 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 20.089 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

